

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD053019\
 Data File : VD062549.D
 Acq On : 30 May 2019 12:33
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: May 31 01:13:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 01:07:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	836803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1107902	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	921877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	557671	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	203713	20.74	ug/l	0.00
Spiked Amount			Recovery	=	41.48%	
35) Dibromofluoromethane	6.93	113	207165	20.23	ug/l	0.00
Spiked Amount			Recovery	=	40.46%	
50) Toluene-d8	10.42	98	465636	20.99	ug/l	0.00
Spiked Amount			Recovery	=	41.98%	
62) 4-Bromofluorobenzene	13.56	95	201040	20.21	ug/l	0.00
Spiked Amount			Recovery	=	40.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	218535	21.918	ug/l	95
3) Chloromethane	1.75	50	268615	23.625	ug/l	97
4) Vinyl Chloride	1.85	62	164313	21.442	ug/l	92
5) Bromomethane	2.15	94	32736	13.921	ug/l	90
6) Chloroethane	2.26	64	65415	17.901	ug/l	90
7) Trichlorofluoromethane	2.53	101	313700	19.596	ug/l	95
8) Diethyl Ether	2.88	74	43664	21.228	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.15	101	177693	18.764	ug/l	98
10) Methyl Iodide	3.31	142	180472	17.452	ug/l	96
11) Tert butyl alcohol	4.10	59	44008	97.470	ug/l #	76
12) 1,1-Dichloroethene	3.13	96	136966	20.350	ug/l	93
13) Acrolein	3.04	56	17504	89.566	ug/l	99
14) Allyl chloride	3.63	41	214227	20.330	ug/l	95
15) Acrylonitrile	4.21	53	108108	106.301	ug/l	96
16) Acetone	3.23	43	195104	96.320	ug/l	97
17) Carbon Disulfide	3.38	76	421088	19.688	ug/l	97
18) Methyl Acetate	3.65	43	71849	21.806	ug/l #	92
19) Methyl tert-butyl Ether	4.26	73	321589	19.616	ug/l	94
20) Methylene Chloride	3.82	84	145127	20.443	ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	159613	20.917	ug/l	97
22) Diisopropyl ether	5.14	45	444765	20.968	ug/l #	98
23) Vinyl Acetate	5.07	43	1326532	102.757	ug/l	98
24) 1,1-Dichloroethane	5.00	63	286507	20.675	ug/l	99
25) 2-Butanone	6.09	43	185874	99.852	ug/l #	91
26) 2,2-Dichloropropane	6.04	77	317326	21.090	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	164668	20.950	ug/l	94
28) Bromochloromethane	6.45	49	93184	20.275	ug/l	90
29) Tetrahydrofuran	6.48	42	88486	103.393	ug/l	99
30) Chloroform	6.68	83	353110	21.176	ug/l	93
31) Cyclohexane	6.96	56	177637	19.349	ug/l	94
32) 1,1,1-Trichloroethane	6.88	97	363609	21.354	ug/l	96
36) 1,1-Dichloropropene	7.16	75	237672	21.152	ug/l	98
37) Ethyl Acetate	6.19	43	100171	19.965	ug/l #	88
38) Carbon Tetrachloride	7.12	117	349951	20.620	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	201106	21.365	ug/l	99
40) Benzene	7.46	78	456343	20.675	ug/l	99
41) Methacrylonitrile	6.46	41	119709	21.285	ug/l #	96
42) 1,2-Dichloroethane	7.59	62	265121	21.515	ug/l	99
43) Isopropyl Acetate	9.25	43	131030	22.025	ug/l #	92
44) Trichloroethene	8.56	130	191407	21.665	ug/l	94
45) 1,2-Dichloropropane	8.95	63	113397	20.916	ug/l	97
46) Dibromomethane	9.08	93	97545	21.570	ug/l #	86
47) Bromodichloromethane	9.38	83	274151	21.824	ug/l	97
48) Methyl methacrylate	9.14	41	81041	19.825	ug/l #	92
49) 1,4-Dioxane	9.09	88	12982	391.208	ug/l #	85
51) 4-Methyl-2-Pentanone	10.31	43	442650	105.178	ug/l	98
52) Toluene	10.52	92	330042	21.979	ug/l	95
53) t-1,3-Dichloropropene	10.93	75	216739	20.183	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	242323	21.829	ug/l	90
55) 1,1,2-Trichloroethane	11.20	97	102039	20.436	ug/l	95
56) Ethyl methacrylate	11.05	69	115143	21.802	ug/l	93
57) 1,3-Dichloropropane	11.42	76	159082	21.035	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	328722	120.092	ug/l	98
59) 2-Hexanone	11.54	43	332643	113.125	ug/l	96
60) Dibromochloromethane	11.70	129	199721	20.618	ug/l	96
61) 1,2-Dibromoethane	11.82	107	128093	21.679	ug/l	95
64) Tetrachloroethene	11.26	164	166298	19.932	ug/l	97
65) Chlorobenzene	12.41	112	387489	20.787	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	184865	21.220	ug/l	96
67) Ethyl Benzene	12.53	91	710600	21.156	ug/l	98
68) m/p-Xylenes	12.67	106	476601	41.782	ug/l	99
69) o-Xylene	13.06	106	221981	20.082	ug/l	93
70) Styrene	13.08	104	398891	21.347	ug/l	96
71) Bromoform	13.24	173	126975	20.935	ug/l #	94
73) Isopropylbenzene	13.41	105	679066	18.314	ug/l	99
74) N-amyl acetate	13.27	43	177875	18.672	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.71	83	116606	19.190	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	138021	19.601	ug/l	98
77) Bromobenzene	13.68	156	200578	19.325	ug/l	97
78) n-propylbenzene	13.77	91	792294	18.336	ug/l	95
79) 2-Chlorotoluene	13.84	91	490336	19.384	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	606585	18.860	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	41855	21.972	ug/l	97
82) 4-Chlorotoluene	13.95	91	569963	18.736	ug/l	94
83) tert-Butylbenzene	14.20	119	698499	19.742	ug/l	92
84) 1,2,4-Trimethylbenzene	14.25	105	607181	18.883	ug/l	96
85) sec-Butylbenzene	14.38	105	713026	18.896	ug/l	99
86) p-Isopropyltoluene	14.49	119	729208	20.547	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	364217	20.102	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	372944	20.988	ug/l	97
89) n-Butylbenzene	14.80	91	645756	19.997	ug/l	93
90) Hexachloroethane	15.02	117	190546	20.090	ug/l	92
91) 1,2-Dichlorobenzene	14.81	146	303447	19.659	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	22679	18.394	ug/l #	45

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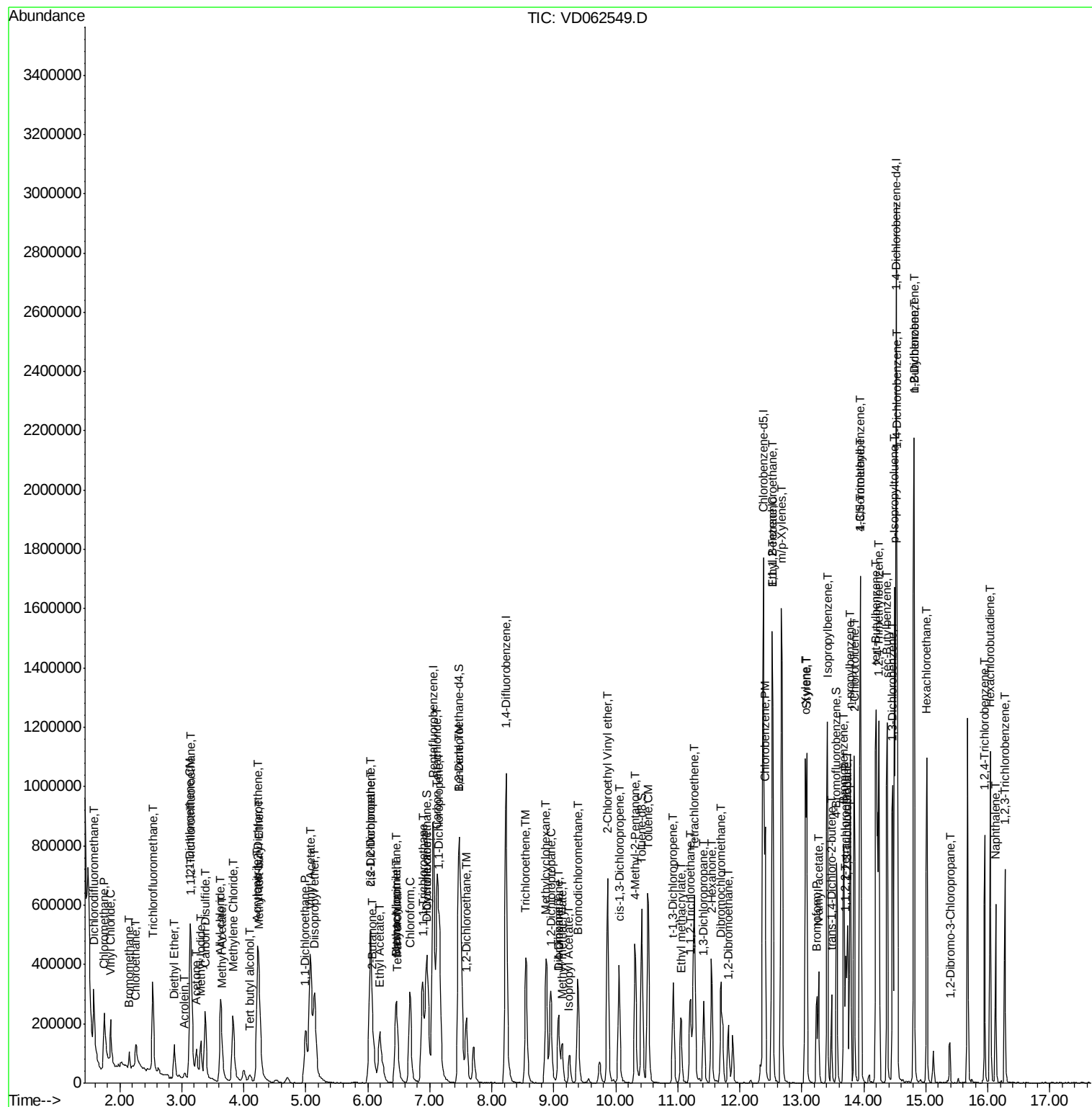
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	205233	17.218	ug/l	98
94) Hexachlorobutadiene	16.04	225	172437	19.723	ug/l	99
95) Naphthalene	16.13	128	332205	19.743	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	171420	19.074	ug/l	98

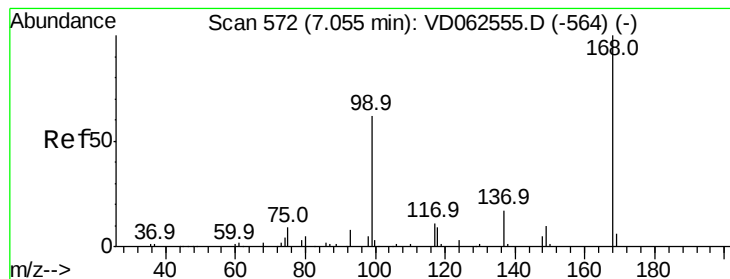
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

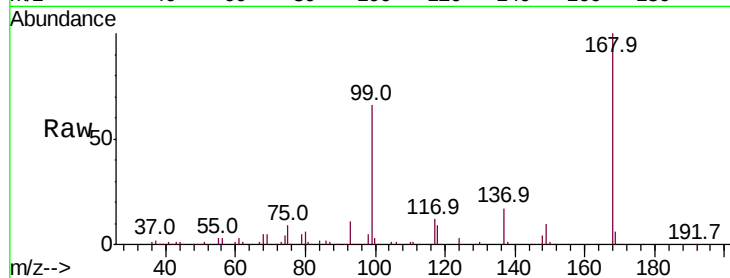
VSTDIC020

Tot Ion:168 Resp: 836803

Ion Ratio Lower Upper

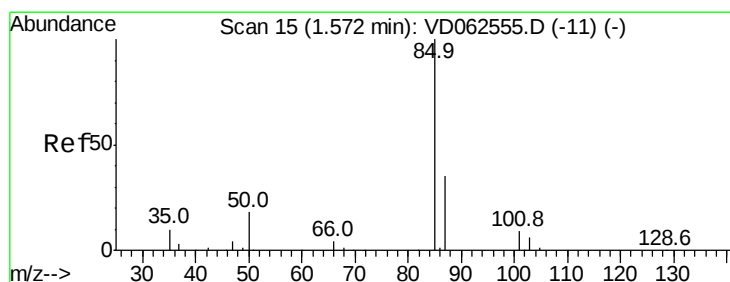
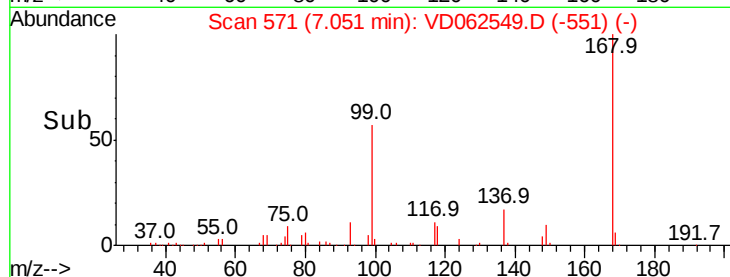
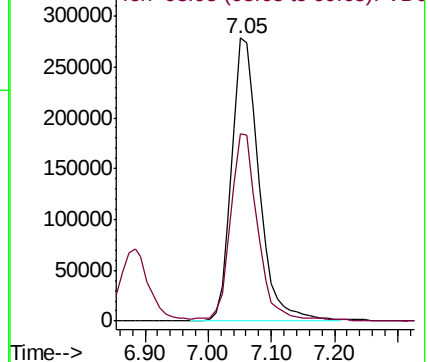
168 100

99 66.3 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.918 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD062549.D

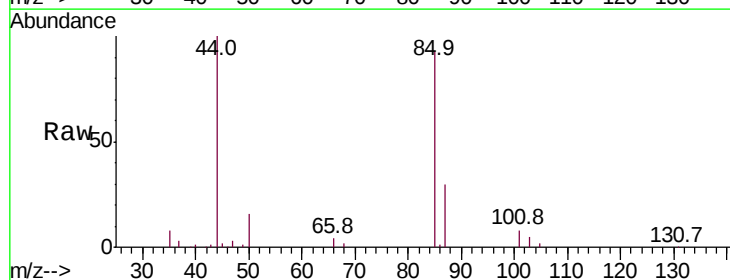
Acq: 30 May 2019 12:33

Tgt Ion: 85 Resp: 218535

Ion Ratio Lower Upper

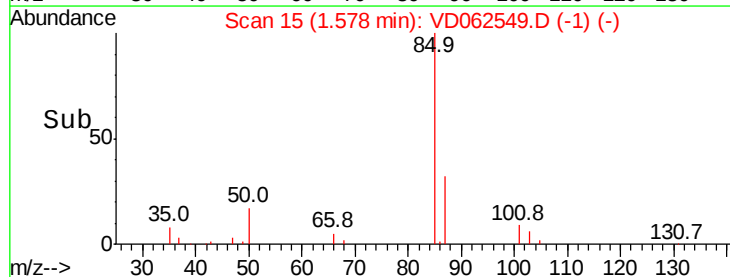
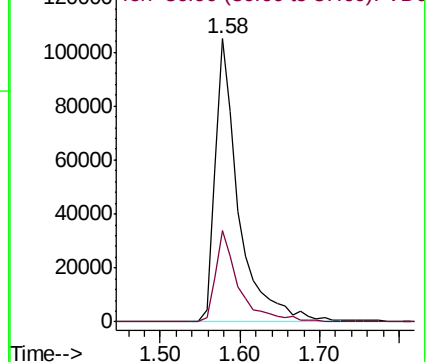
85 100

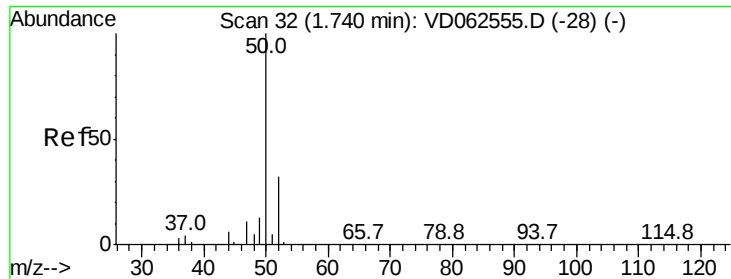
87 32.4 17.5 52.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.625 ug/l

RT: 1.75 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

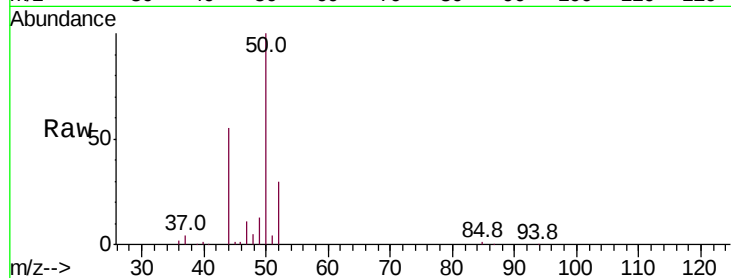
VSTDIC020

Tot Ion: 50 Resp: 268615

Ion Ratio Lower Upper

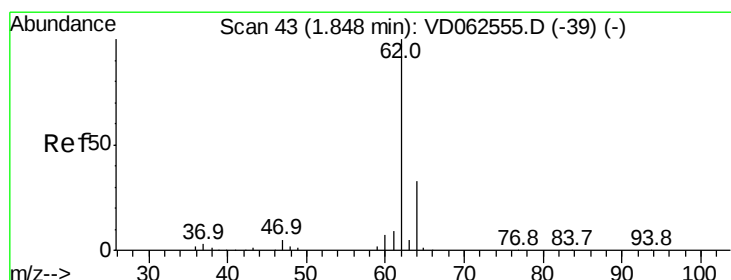
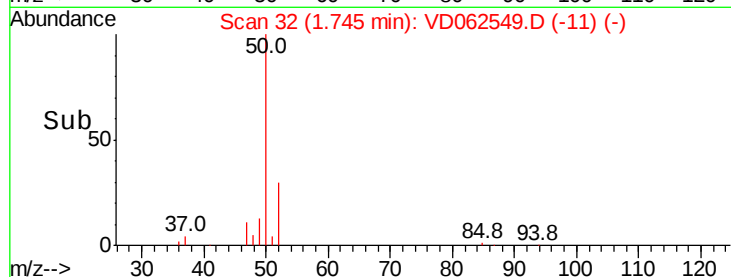
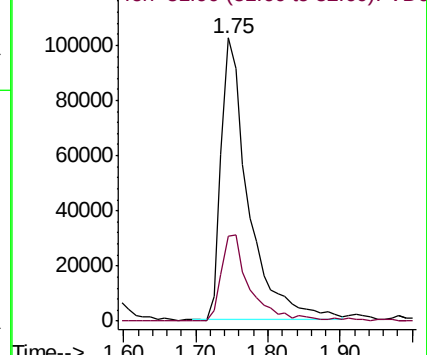
50 100

52 30.1 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.442 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062549.D

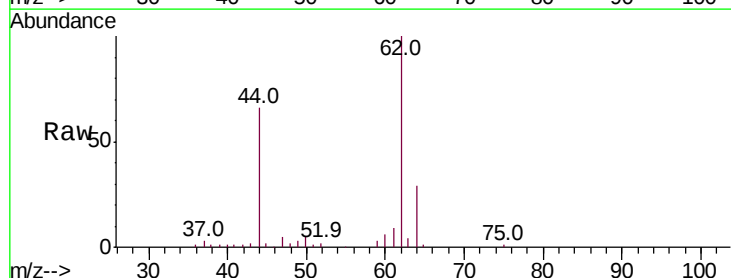
Acq: 30 May 2019 12:33

Tgt Ion: 62 Resp: 164313

Ion Ratio Lower Upper

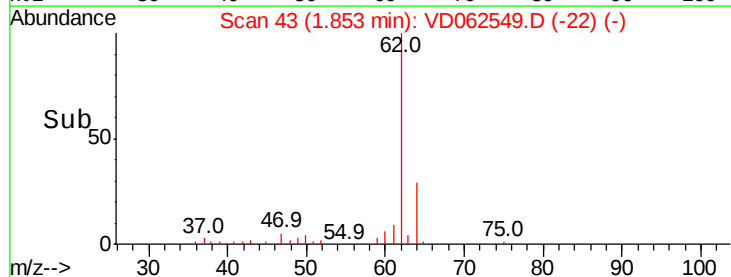
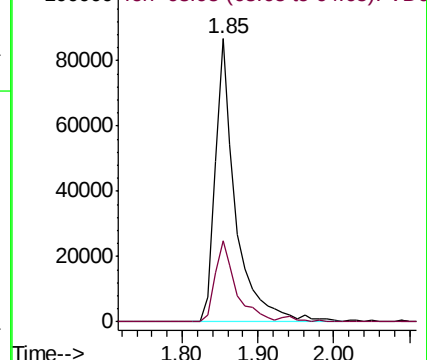
62 100

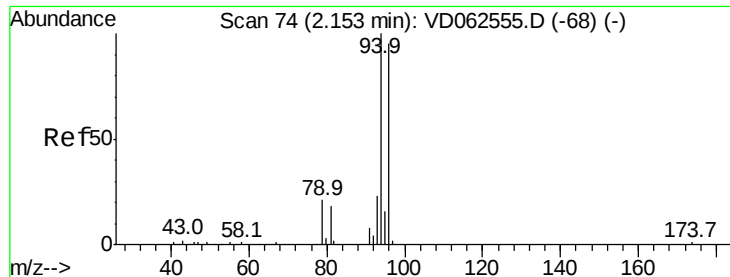
64 28.7 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 13.921 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

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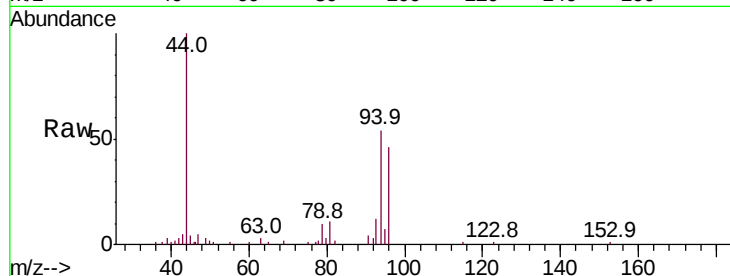
Tot Ion: 94 Resp: 32736

Ion Ratio Lower Upper

94 100

96 84.3 76.2 114.4

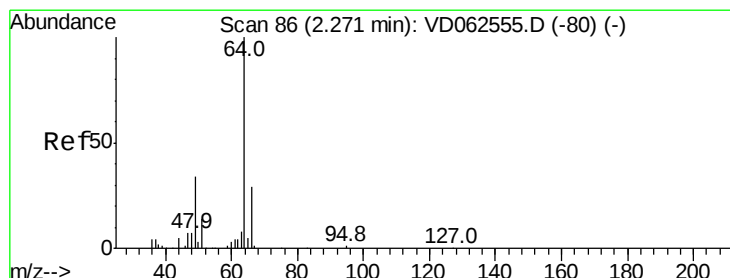
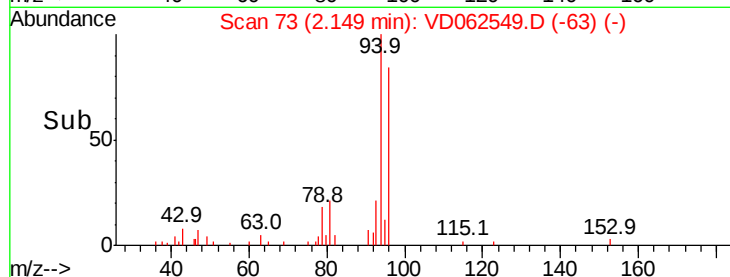
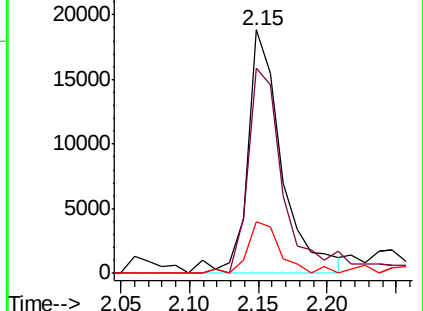
93 21.3 18.4 27.6



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 17.901 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.01 min

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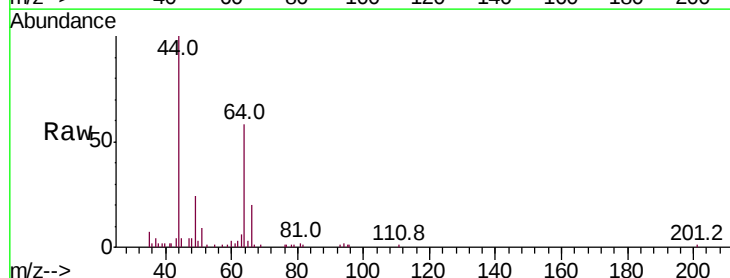
Acq: 30 May 2019 12:33

Tgt Ion: 64 Resp: 65415

Ion Ratio Lower Upper

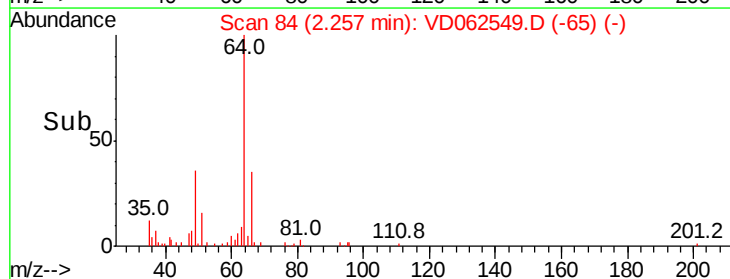
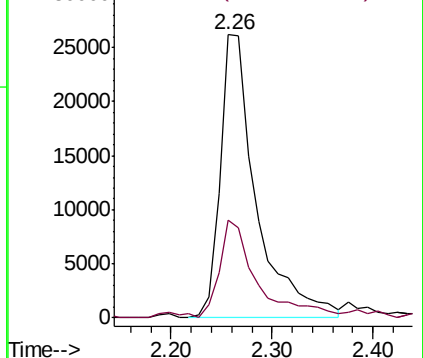
64 100

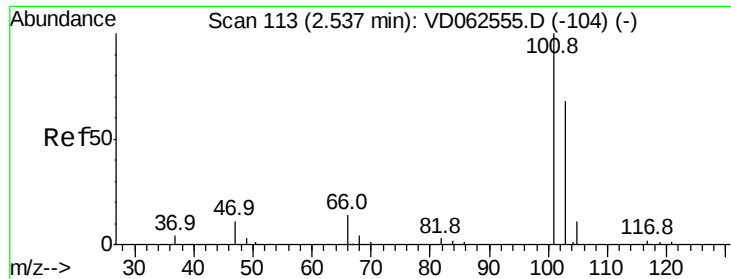
66 34.5 23.4 35.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



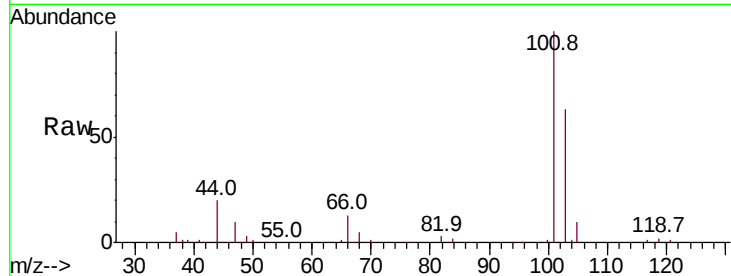


#7

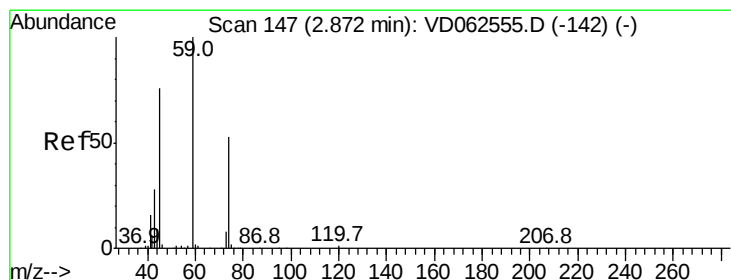
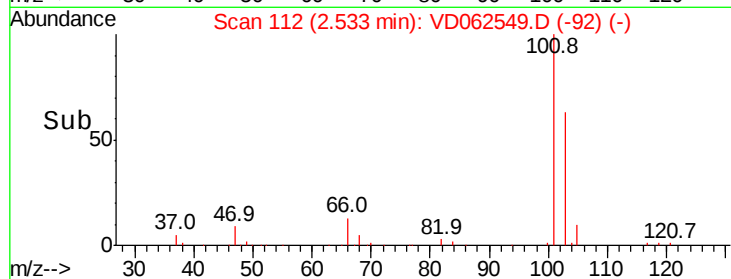
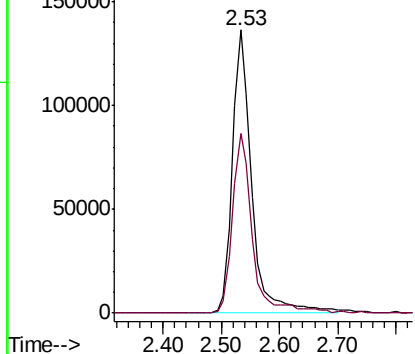
Trichlorofluoromethane
 Concen: 19.596 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD062549.D
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Instrument :
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 VSTDIC020

Tot Ion:101 Resp: 313700
 Ion Ratio Lower Upper
 101 100
 103 63.5 54.3 81.5



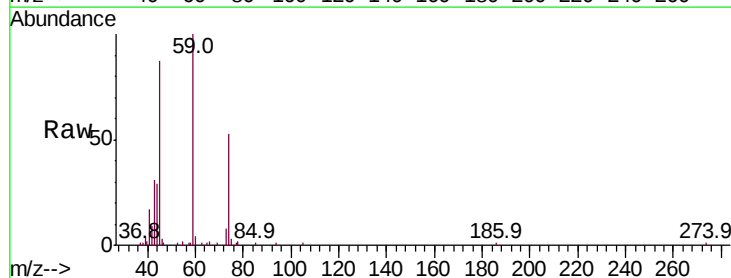
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



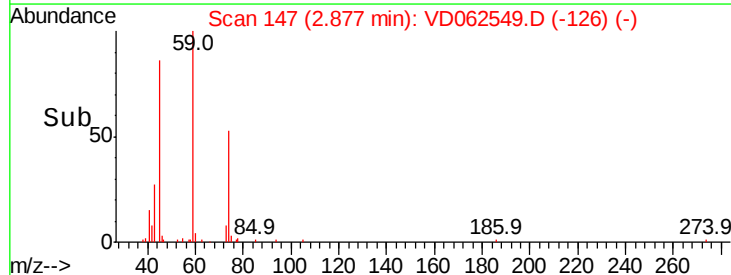
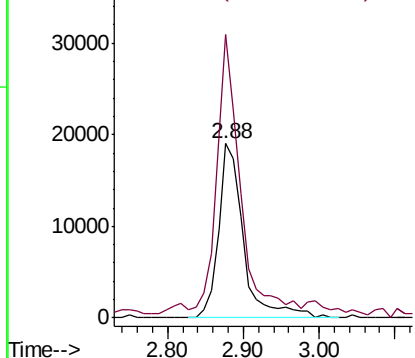
#8

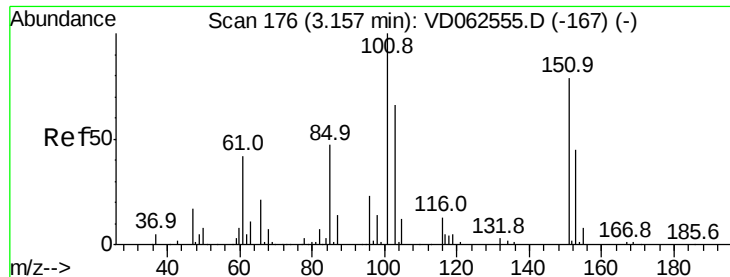
Diethyl Ether
 Concen: 21.228 ug/l
 RT: 2.88 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD062549.D
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Tgt Ion: 74 Resp: 43664
 Ion Ratio Lower Upper
 74 100
 45 162.6 71.9 215.7



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.764 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

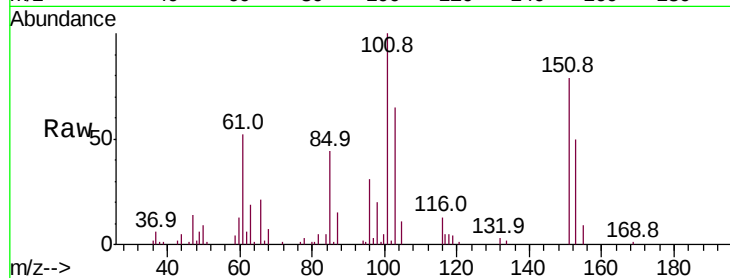
Tot Ion:101 Resp: 177693

Ion Ratio Lower Upper

101 100

85 43.7 37.6 56.4

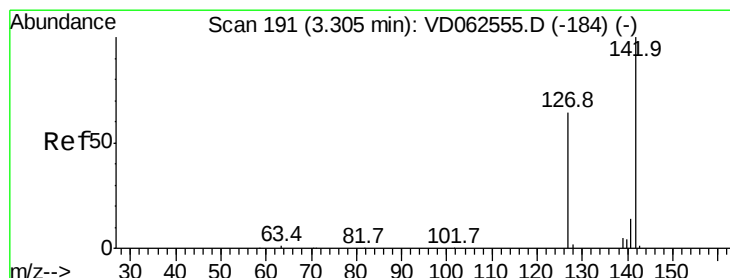
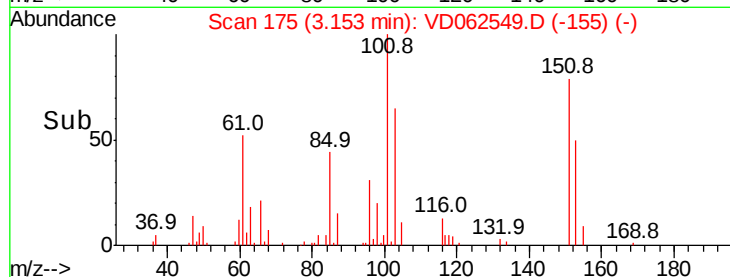
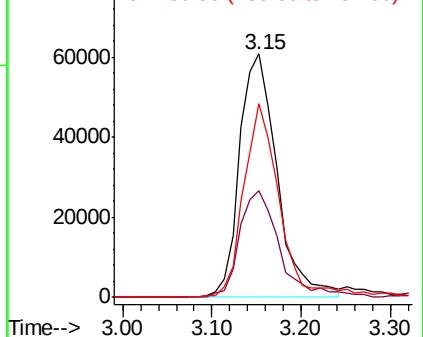
151 79.3 63.0 94.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 17.452 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.01 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

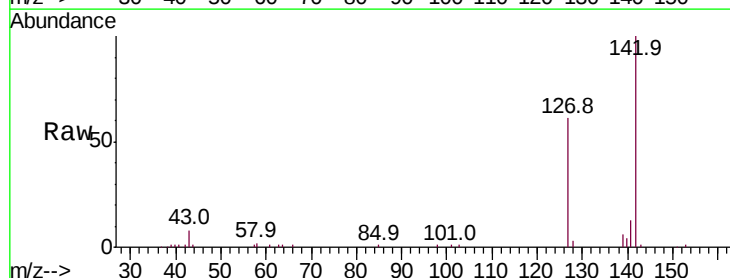
Tgt Ion:142 Resp: 180472

Ion Ratio Lower Upper

142 100

127 60.6 51.2 76.8

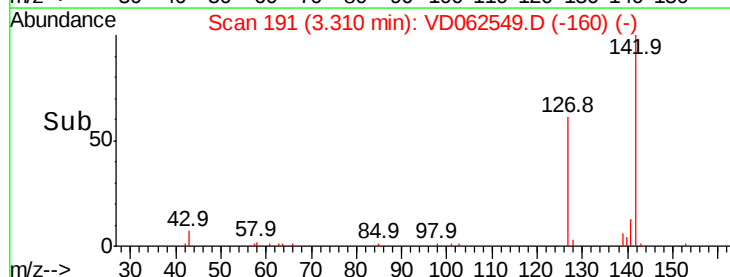
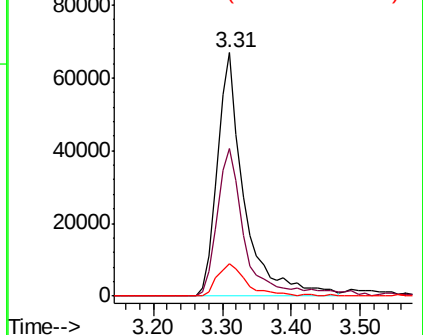
141 13.4 11.0 16.4

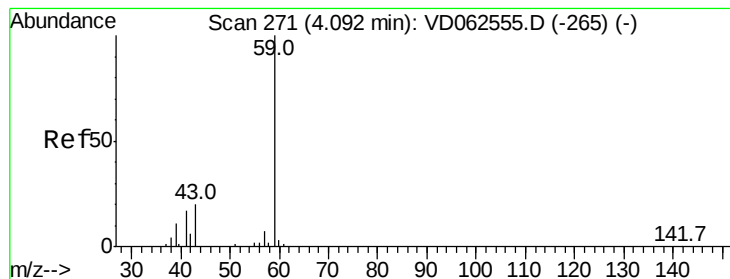


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



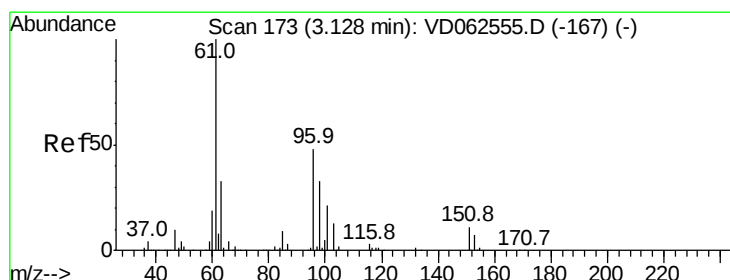
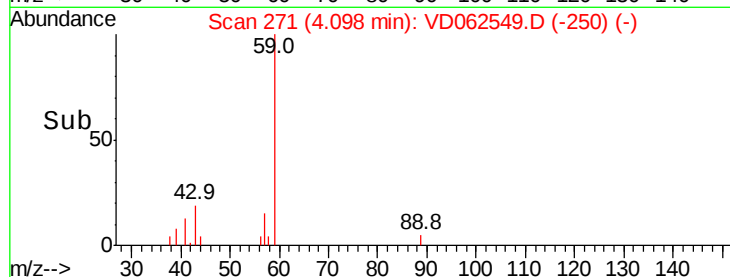
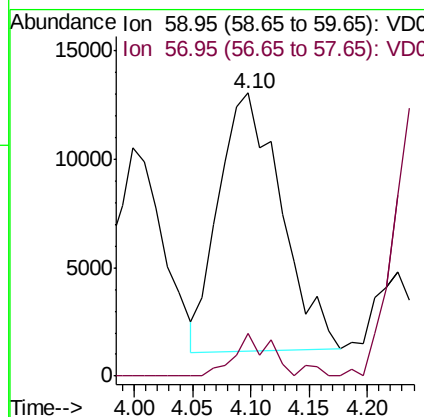
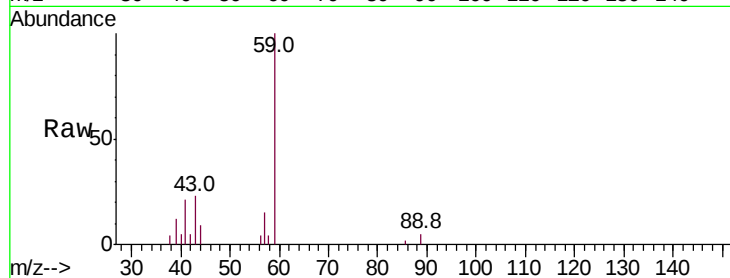


#11

Tert butyl alcohol
 Concen: 97.470 ug/l
 RT: 4.10 min Scan# 271
 Delta R.T. 0.01 min
 Lab File: VD062549.D
 Acq: 30 May 2019 12:33

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

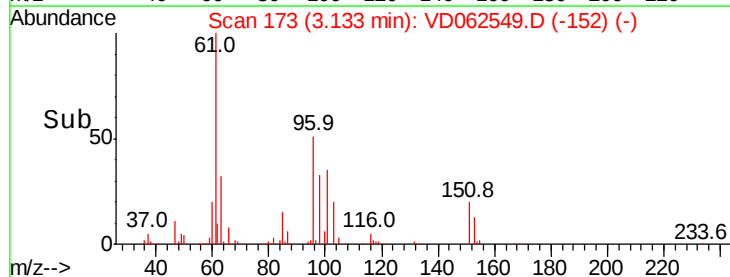
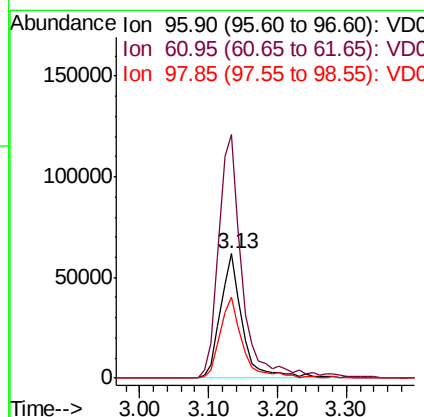
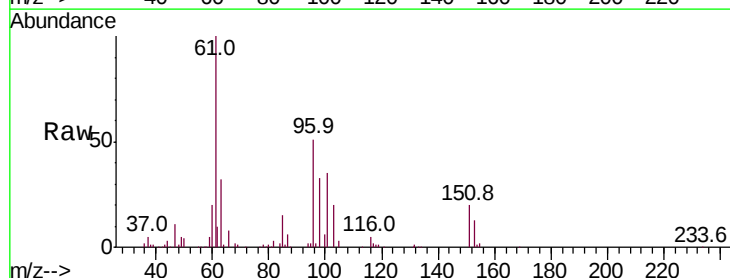
Tot Ion: 59 Resp: 44008
 Ion Ratio Lower Upper
 59 100
 57 15.0 5.4 8.0#

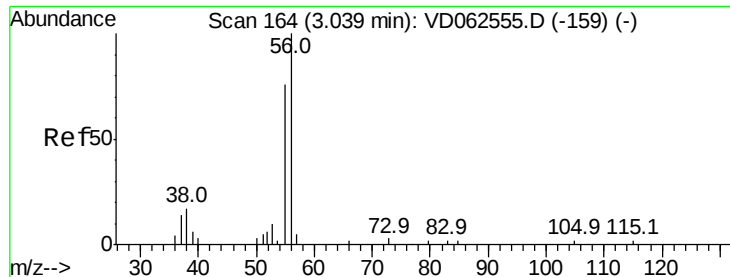


#12

1,1-Dichloroethene
 Concen: 20.350 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. 0.01 min
 Lab File: VD062549.D
 Acq: 30 May 2019 12:33

Tgt Ion: 96 Resp: 136966
 Ion Ratio Lower Upper
 96 100
 61 195.7 166.6 250.0
 98 65.0 54.4 81.6





#13

Acrolein

Concen: 89.566 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

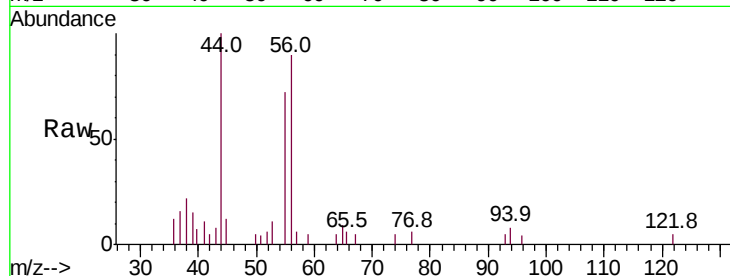
VSTDIC020

Tot Ion: 56 Resp: 17504

Ion Ratio Lower Upper

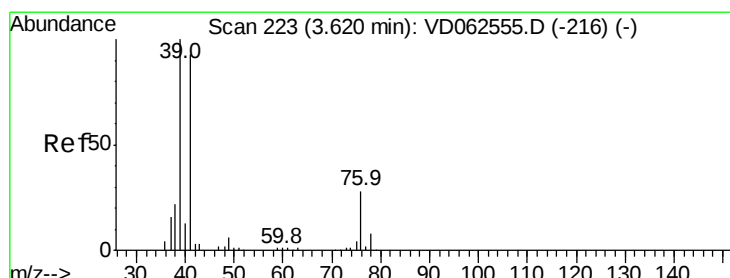
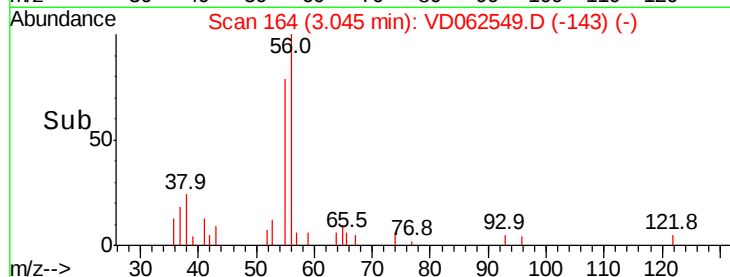
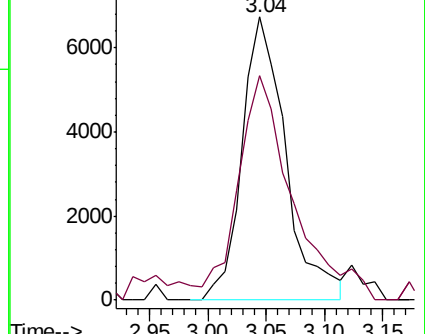
56 100

55 79.3 62.6 93.8



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.330 ug/l

RT: 3.63 min Scan# 223

Delta R.T. 0.01 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

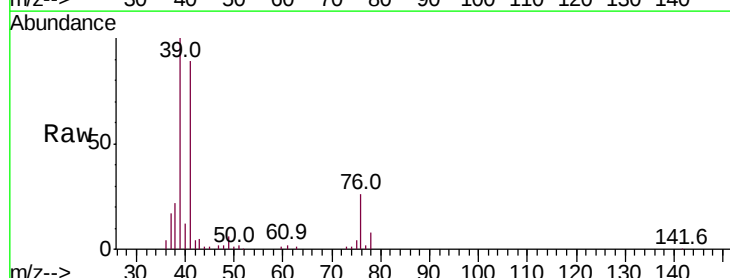
Tgt Ion: 41 Resp: 214227

Ion Ratio Lower Upper

41 100

39 112.8 86.3 129.5

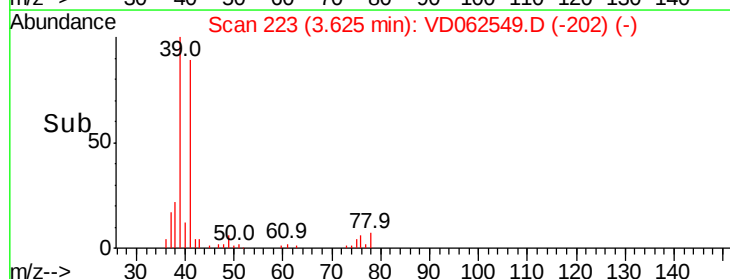
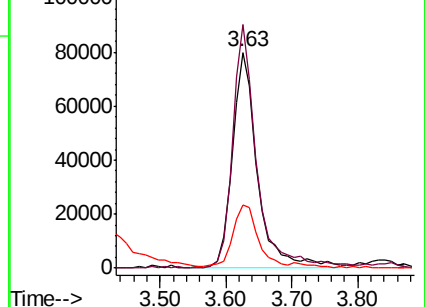
76 29.5 25.5 38.3

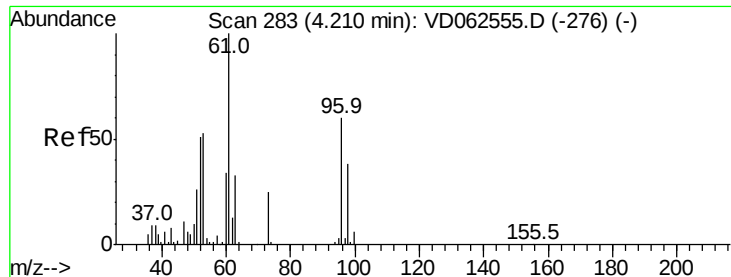


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 106.301 ug/l

RT: 4.21 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

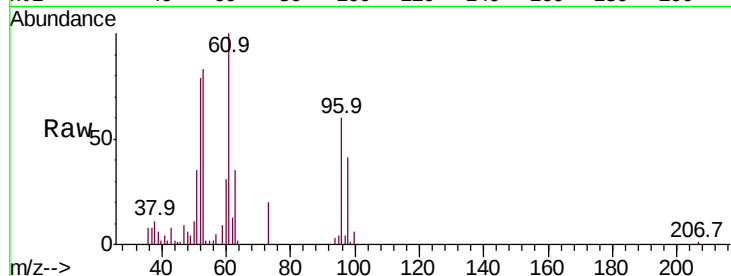
Tot Ion: 53 Resp: 108108

Ion Ratio Lower Upper

53 100

52 95.1 76.2 114.2

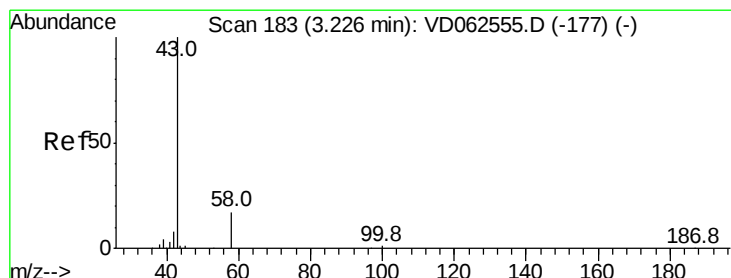
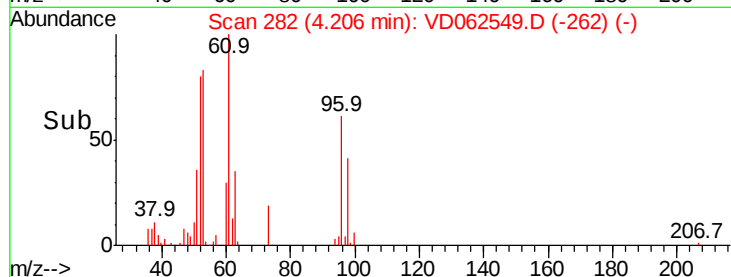
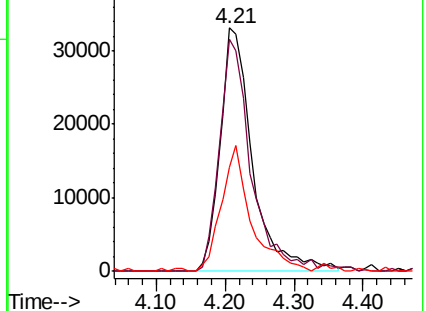
51 42.6 40.2 60.4



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 96.320 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD062549.D

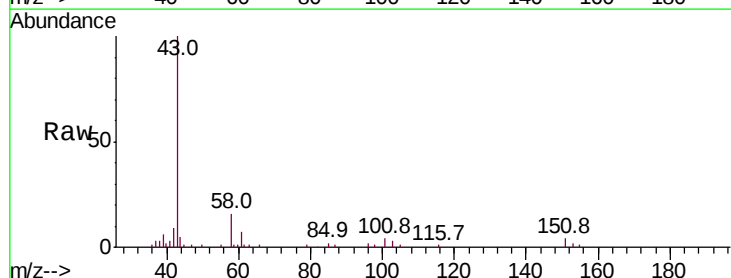
Acq: 30 May 2019 12:33

Tgt Ion: 43 Resp: 195104

Ion Ratio Lower Upper

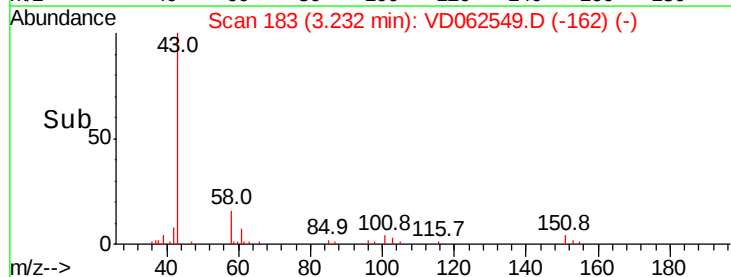
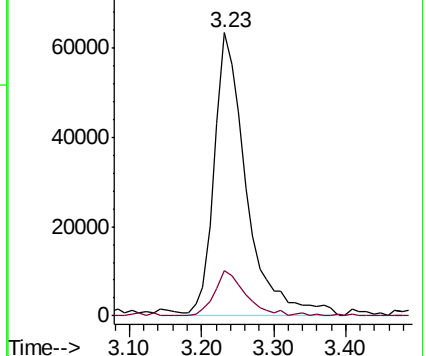
43 100

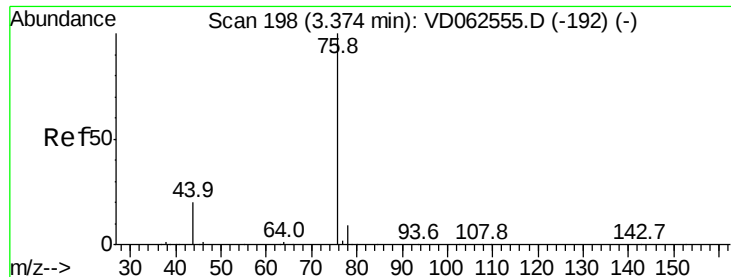
58 15.8 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

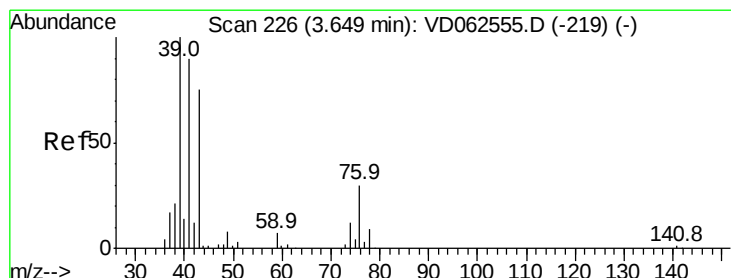
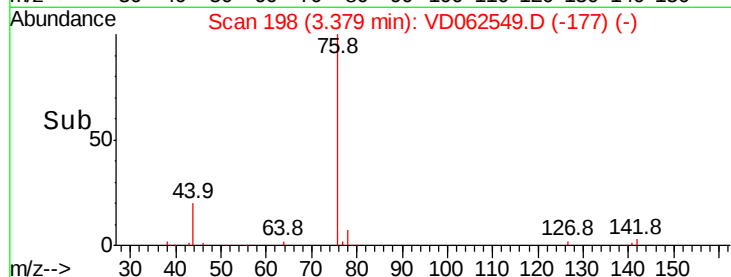
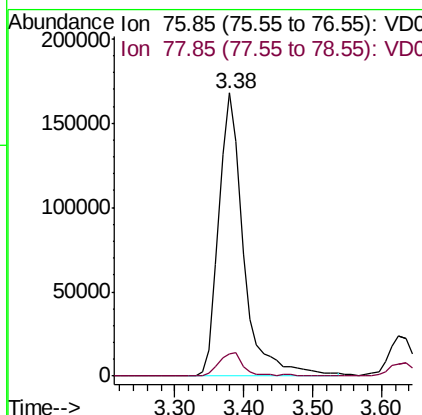
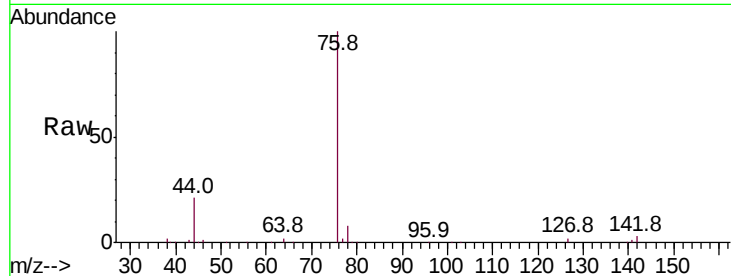




#17
Carbon Disulfide
Concen: 19.688 ug/l
RT: 3.38 min Scan# 198
Delta R.T. 0.01 min
Lab File: VD062549.D
Acq: 30 May 2019 12:33

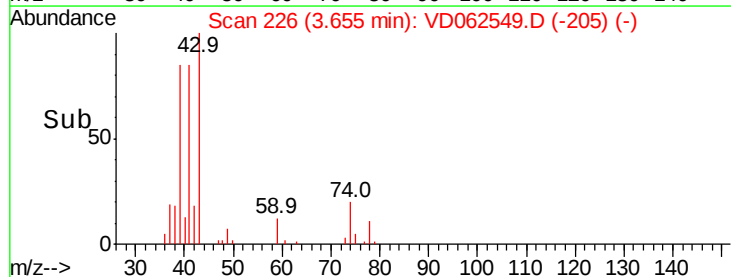
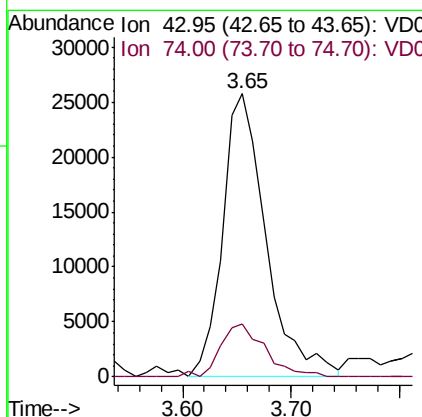
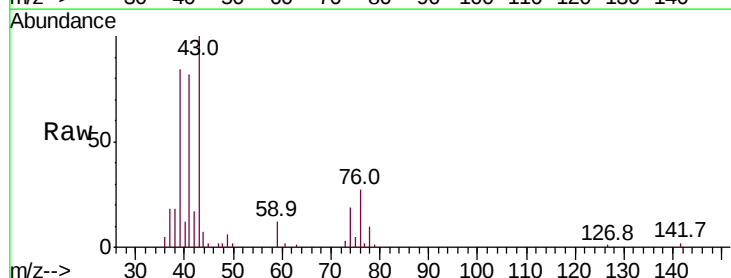
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

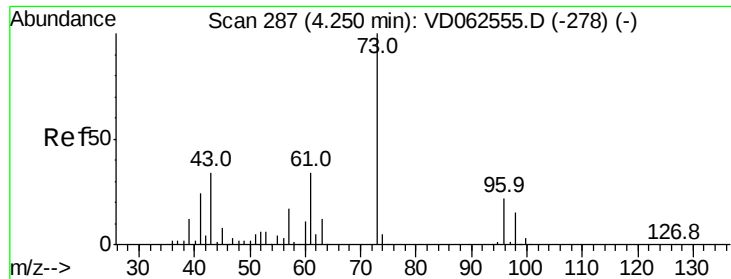
Tot Ion: 76 Resp: 421088
Ion Ratio Lower Upper
76 100
78 8.0 7.4 11.2



#18
Methyl Acetate
Concen: 21.806 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD062549.D
Acq: 30 May 2019 12:33

Tgt Ion: 43 Resp: 71849
Ion Ratio Lower Upper
43 100
74 18.9 12.5 18.7#



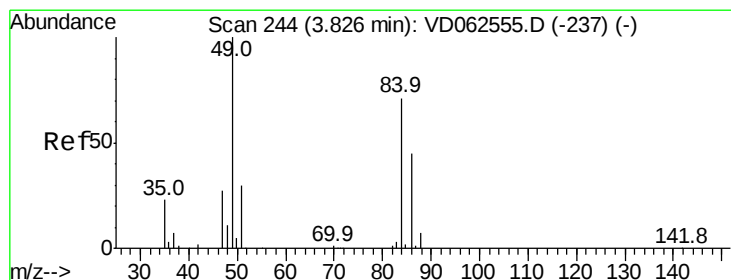
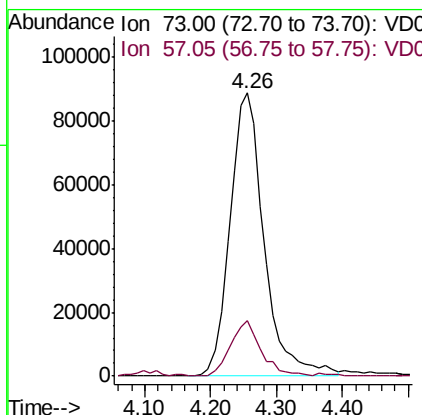
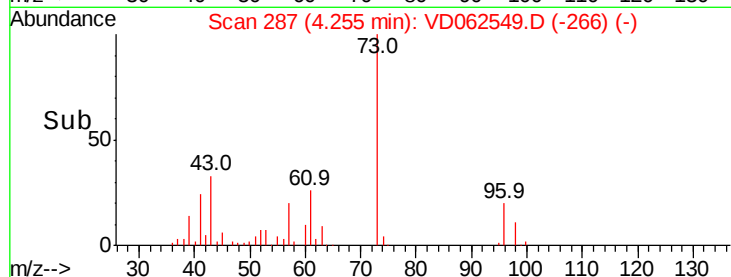
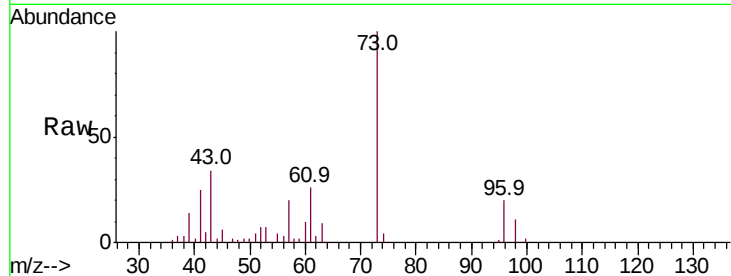


#19

Methyl tert-butyl Ether
 Concen: 19.616 ug/l
 RT: 4.26 min Scan# 287
 Delta R.T. 0.01 min
 Lab File: VD062549.D
 Acq: 30 May 2019 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

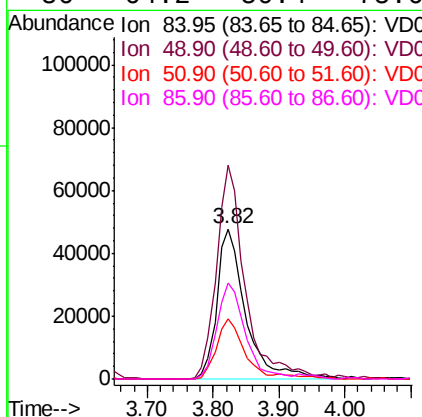
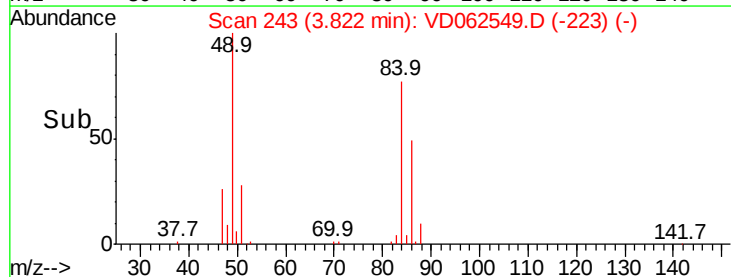
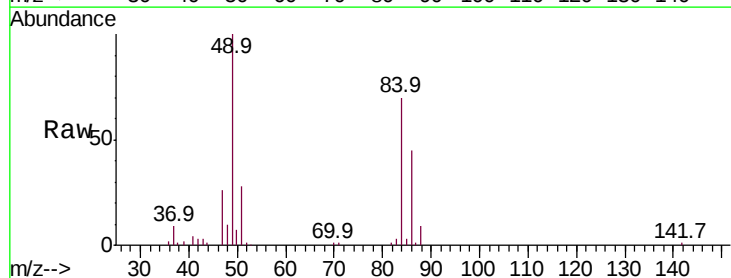
Tot Ion: 73 Resp: 321589
 Ion Ratio Lower Upper
 73 100
 57 19.7 13.8 20.8

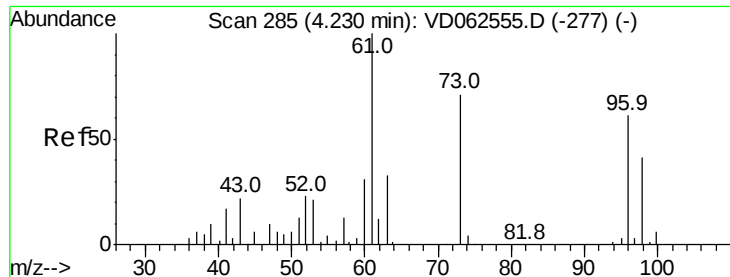


#20

Methylene Chloride
 Concen: 20.443 ug/l
 RT: 3.82 min Scan# 243
 Delta R.T. -0.00 min
 Lab File: VD062549.D
 Acq: 30 May 2019 12:33

Tgt Ion: 84 Resp: 145127
 Ion Ratio Lower Upper
 84 100
 49 142.0 112.3 168.5
 51 40.2 33.6 50.4
 86 64.2 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 20.917 ug/l

RT: 4.23 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

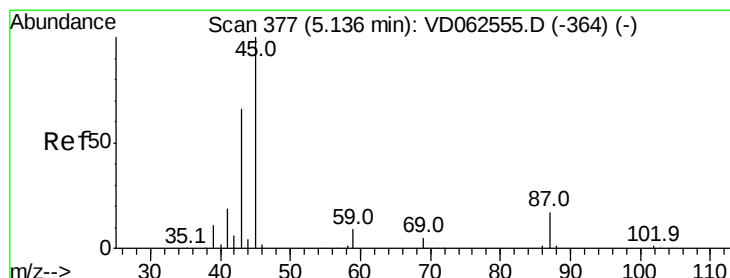
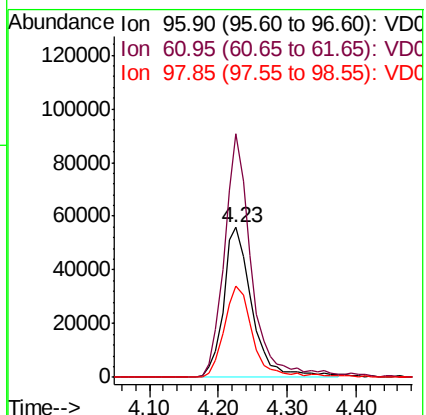
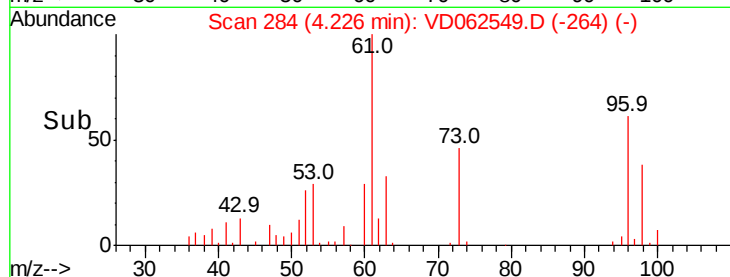
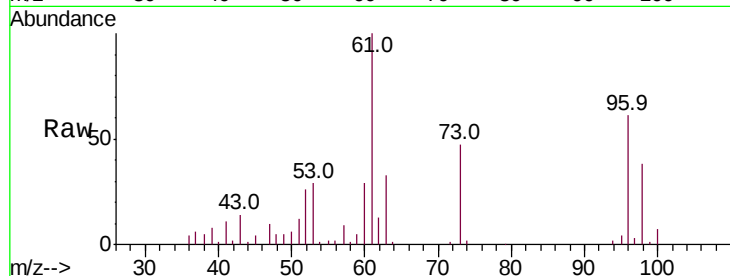
Tot Ion: 96 Resp: 159613

Ion Ratio Lower Upper

96 100

61 162.7 131.1 196.7

98 61.3 54.2 81.4



#22

Diisopropyl ether

Concen: 20.968 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.01 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Tgt Ion: 45 Resp: 444765

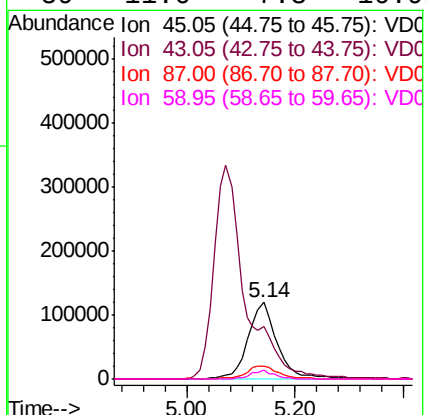
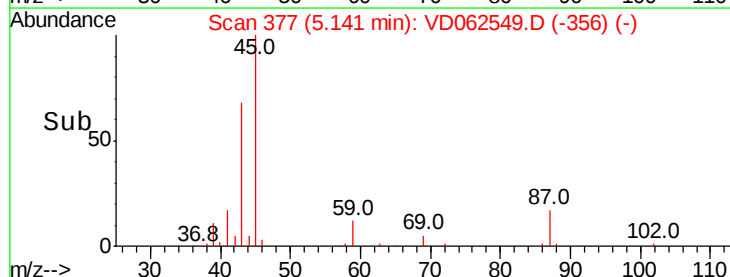
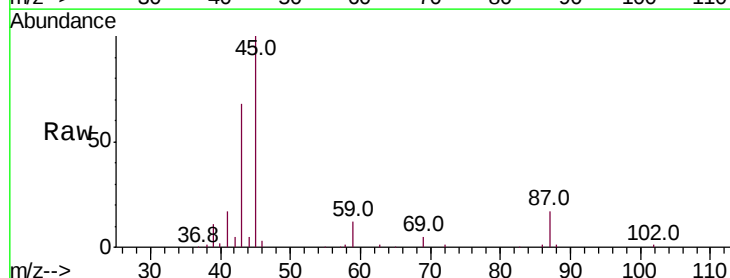
Ion Ratio Lower Upper

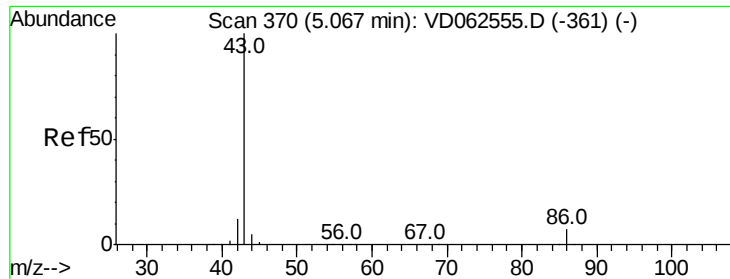
45 100

43 68.3 53.6 80.4

87 17.2 14.2 21.4

59 11.6 7.3 10.9#





#23

Vinyl Acetate

Concen: 102.757 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

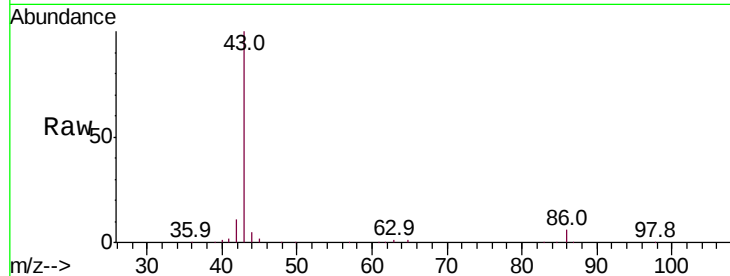
VSTDIC020

Tot Ion: 43 Resp: 1326532

Ion Ratio Lower Upper

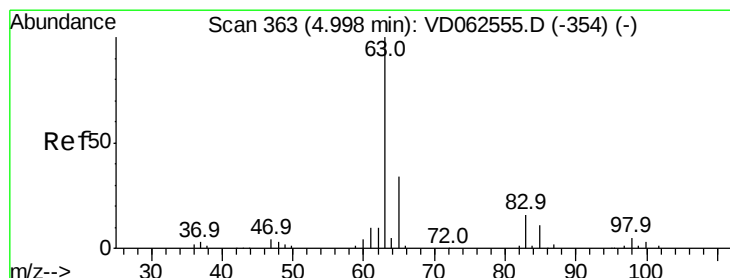
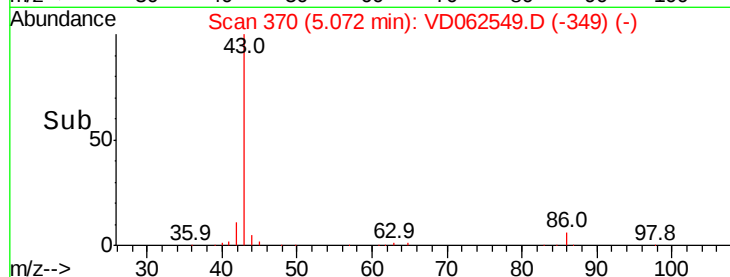
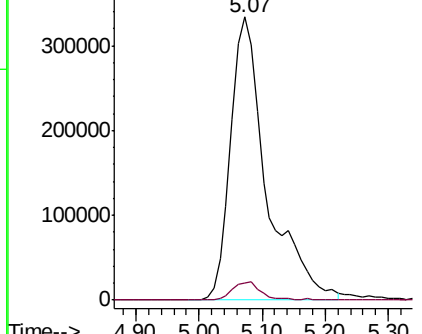
43 100

86 6.2 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.675 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.01 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

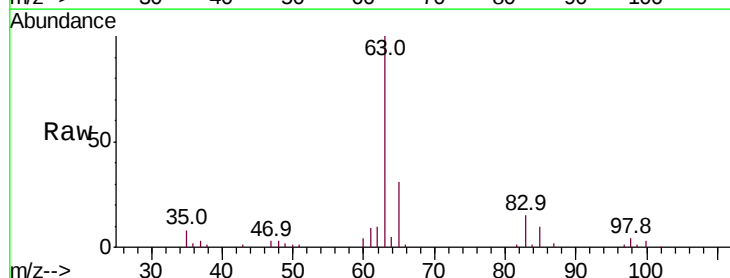
Tgt Ion: 63 Resp: 286507

Ion Ratio Lower Upper

63 100

98 5.3 2.5 7.5

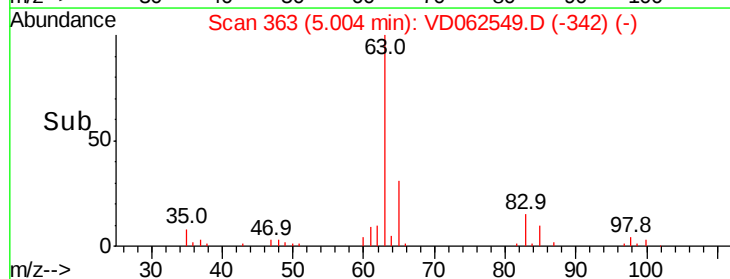
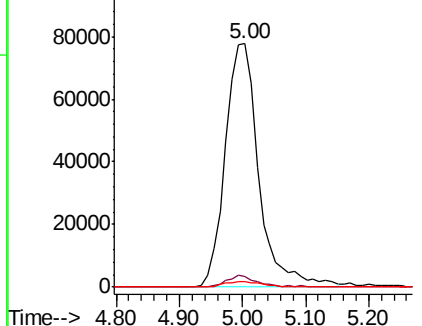
100 2.5 1.6 4.7

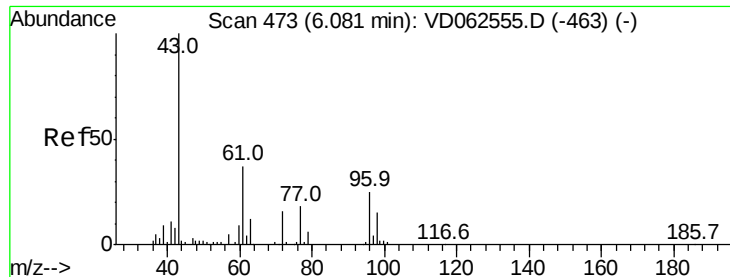


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 99.852 ug/l

RT: 6.09 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

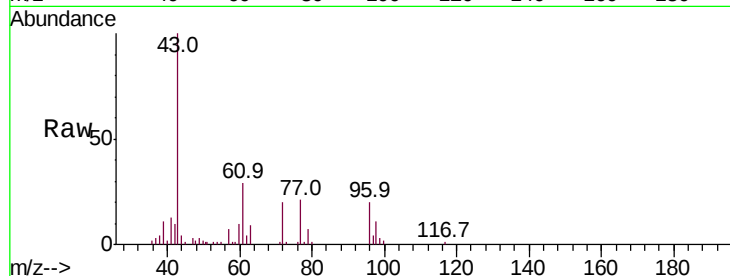
VSTDIC020

Tot Ion: 43 Resp: 185874

Ion Ratio Lower Upper

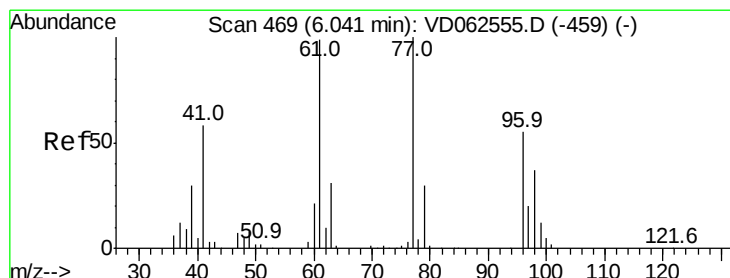
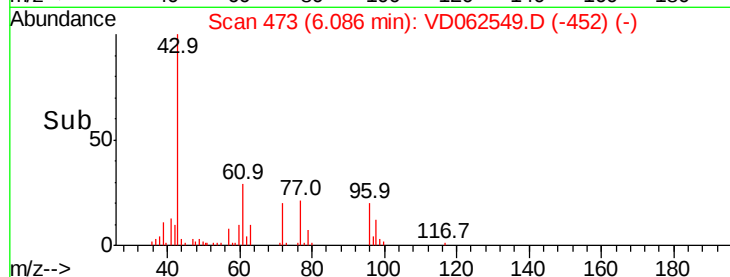
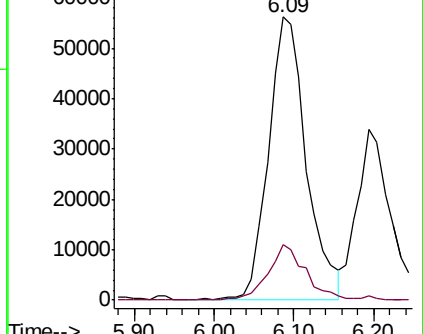
43 100

72 19.5 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.090 ug/l

RT: 6.04 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD062549.D

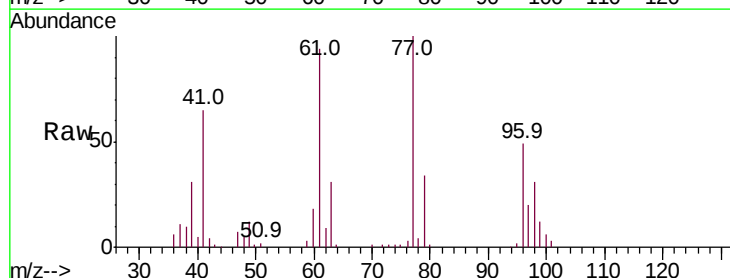
Acq: 30 May 2019 12:33

Tgt Ion: 77 Resp: 317326

Ion Ratio Lower Upper

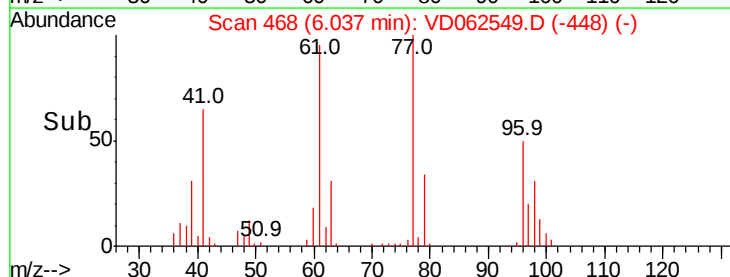
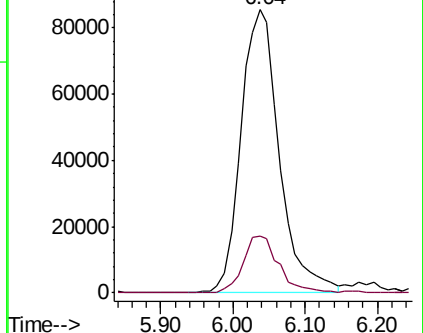
77 100

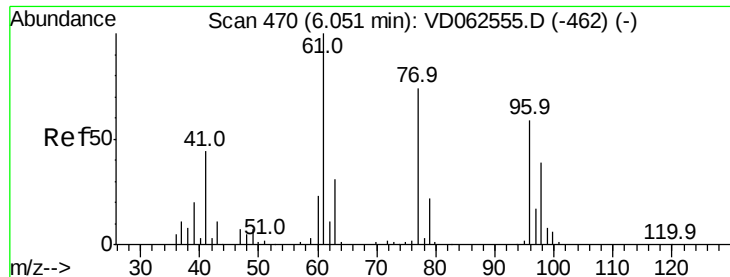
97 20.2 9.8 29.3



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 20.950 ug/l

RT: 6.05 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

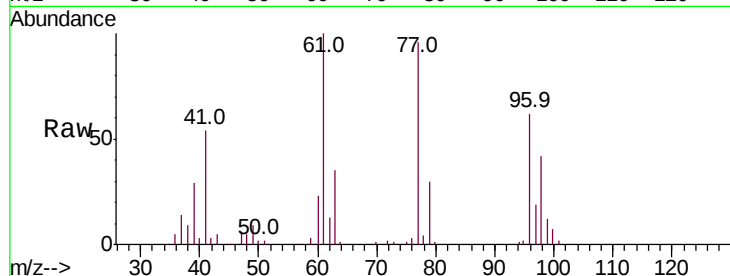
Tot Ion: 96 Resp: 164668

Ion Ratio Lower Upper

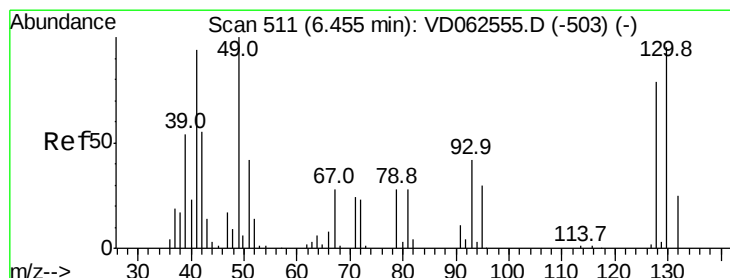
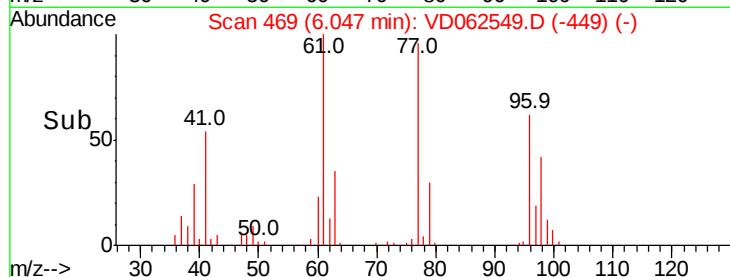
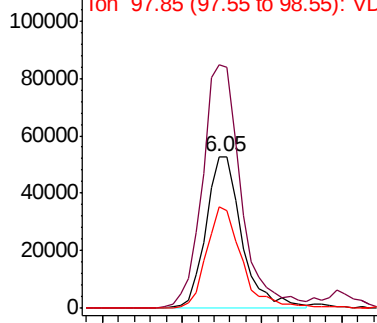
96 100

61 160.2 0.0 342.4

98 66.9 0.0 134.6



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 20.275 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

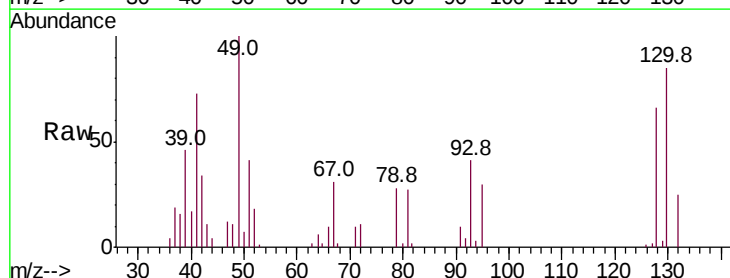
Tgt Ion: 49 Resp: 93184

Ion Ratio Lower Upper

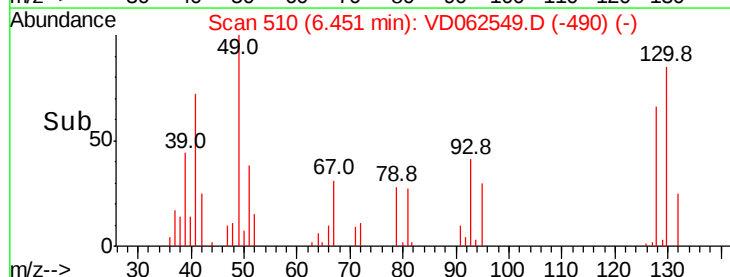
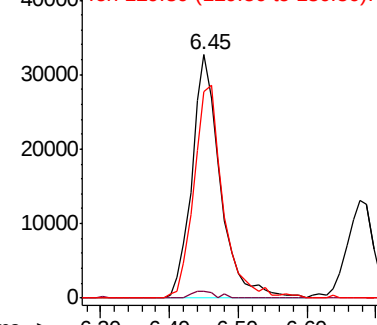
49 100

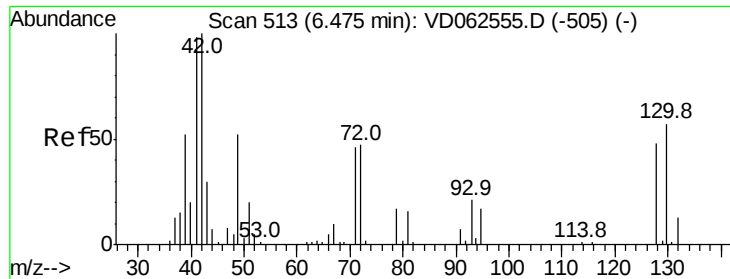
129 2.7 0.0 5.6

130 84.6 75.8 113.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 103.393 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.01 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

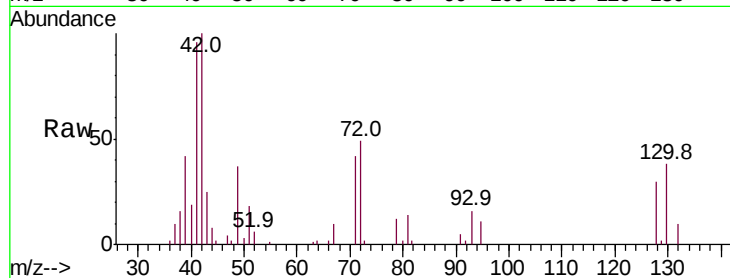
Tot Ion: 42 Resp: 88486

Ion Ratio Lower Upper

42 100

72 43.9 34.5 51.7

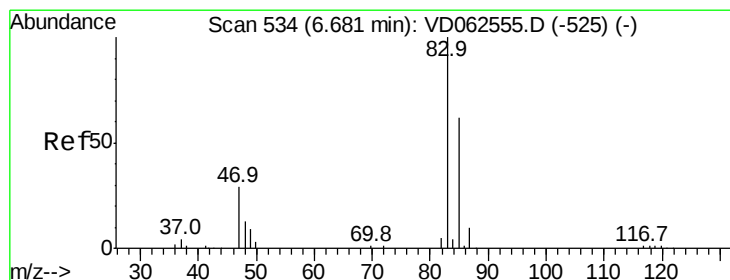
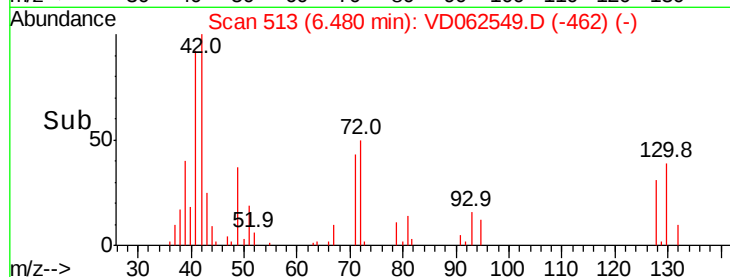
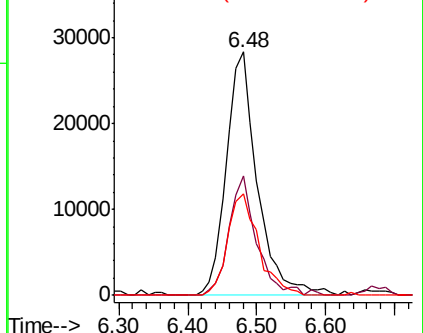
71 41.7 33.0 49.6



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 21.176 ug/l

RT: 6.68 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD062549.D

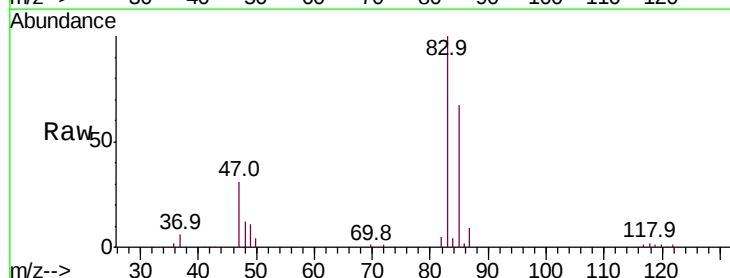
Acq: 30 May 2019 12:33

Tgt Ion: 83 Resp: 353110

Ion Ratio Lower Upper

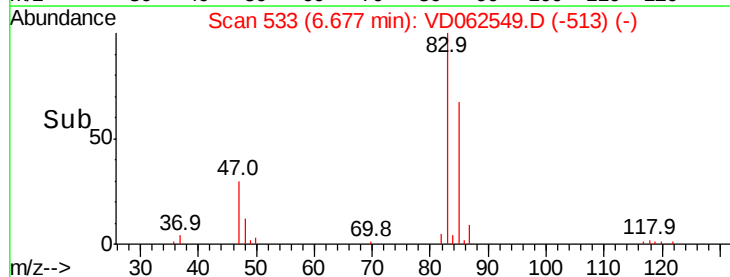
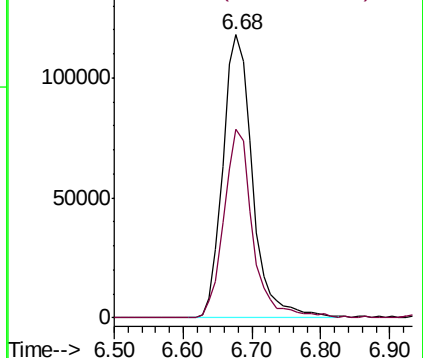
83 100

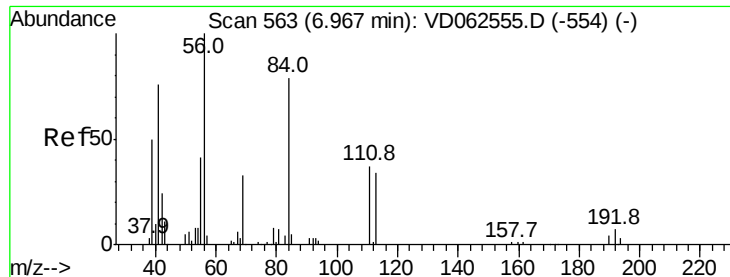
85 66.8 49.4 74.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

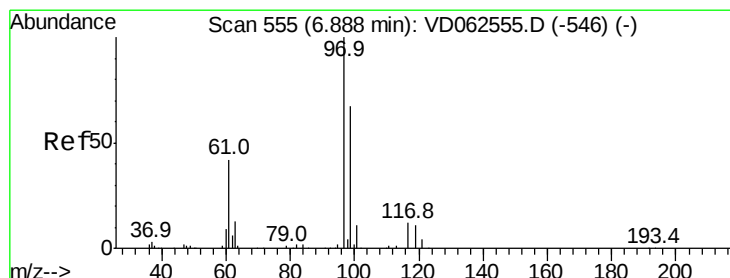
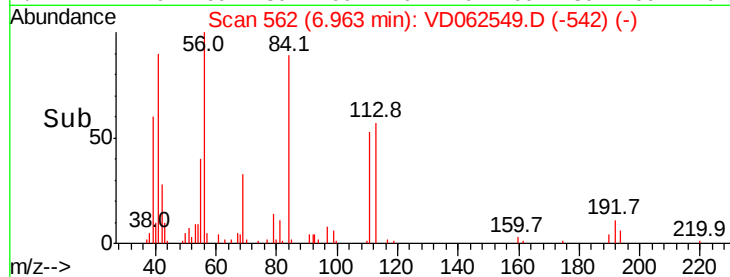
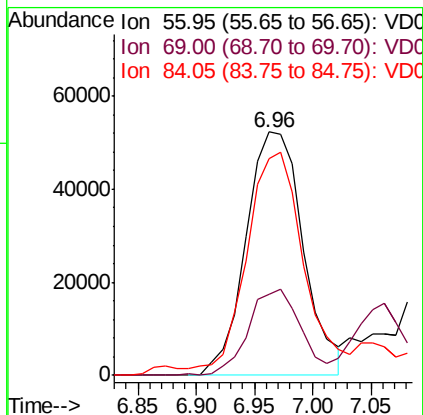
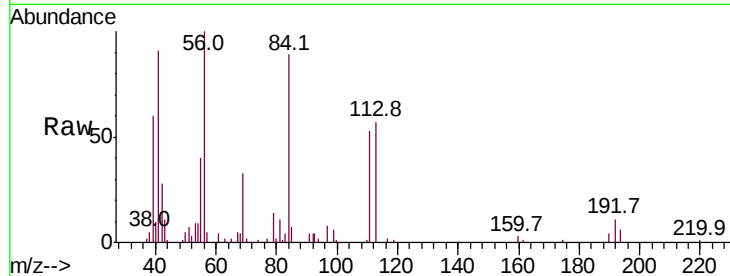




#31
Cyclohexane
Concen: 19.349 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD062549.D
Acq: 30 May 2019 12:33

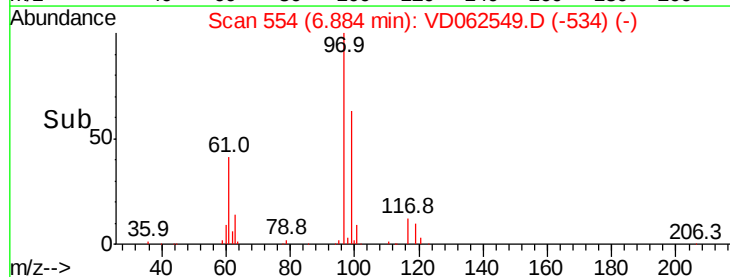
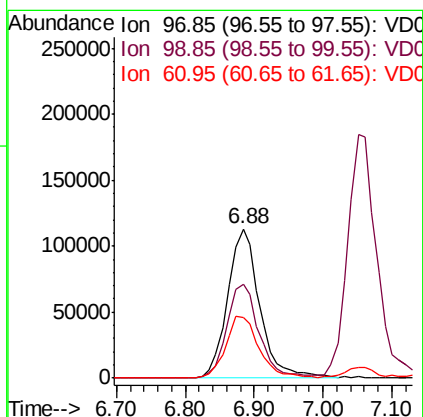
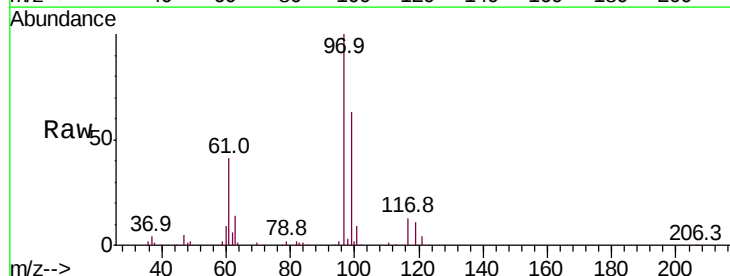
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

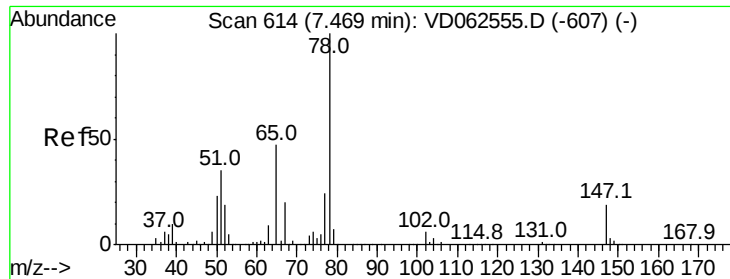
Tot Ion: 56 Resp: 177637
Ion Ratio Lower Upper
56 100
69 33.1 26.2 39.2
84 89.1 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 21.354 ug/l
RT: 6.88 min Scan# 554
Delta R.T. -0.00 min
Lab File: VD062549.D
Acq: 30 May 2019 12:33

Tgt Ion: 97 Resp: 363609
Ion Ratio Lower Upper
97 100
99 63.1 53.6 80.4
61 41.0 33.9 50.9





#33

1,2-Dichloroethane-d4

Concen: 20.742 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

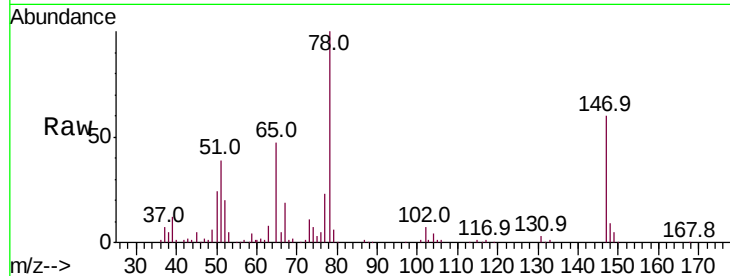
VSTDIC020

Tot Ion: 65 Resp: 203713

Ion Ratio Lower Upper

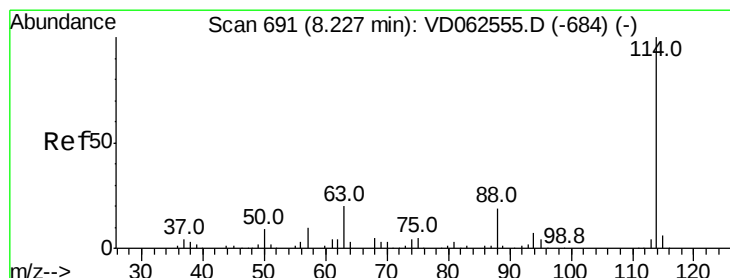
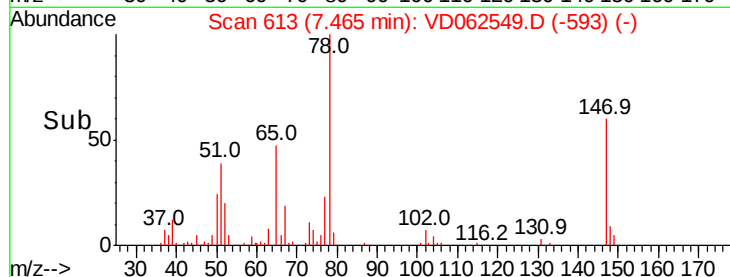
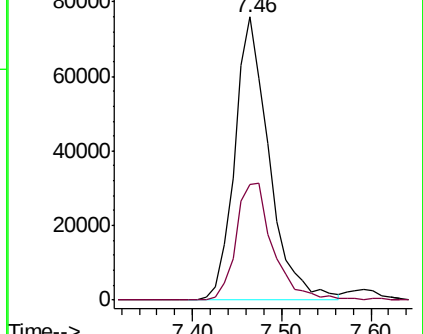
65 100

67 40.9 0.0 83.6



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

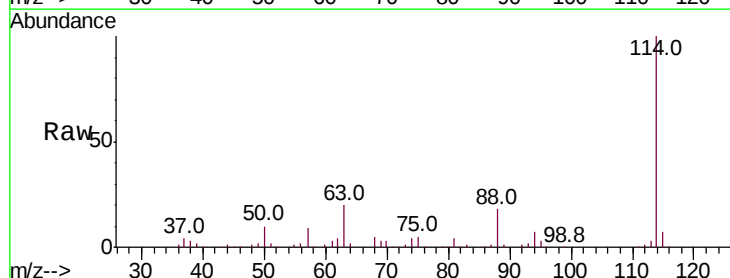
Tgt Ion:114 Resp: 1107902

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.6

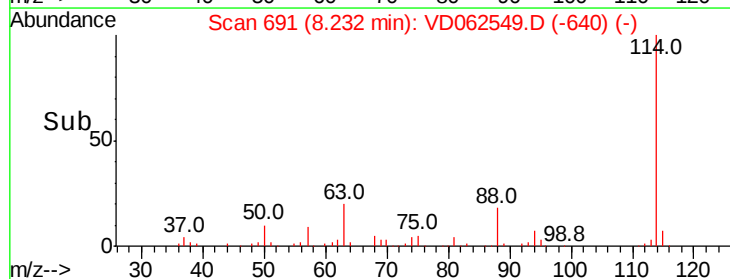
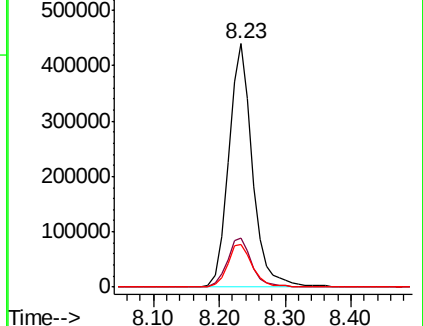
88 17.8 0.0 37.6

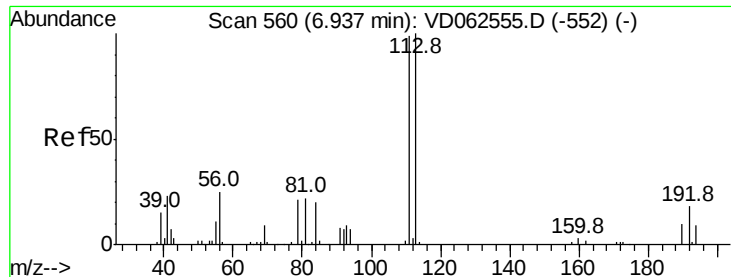


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 20.234 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

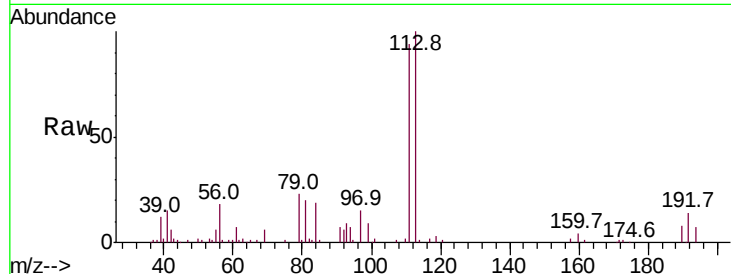
Tot Ion:113 Resp: 207165

Ion Ratio Lower Upper

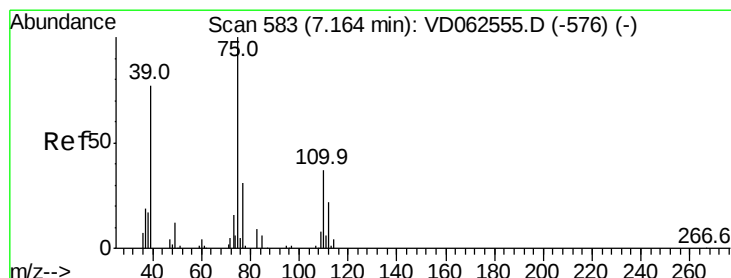
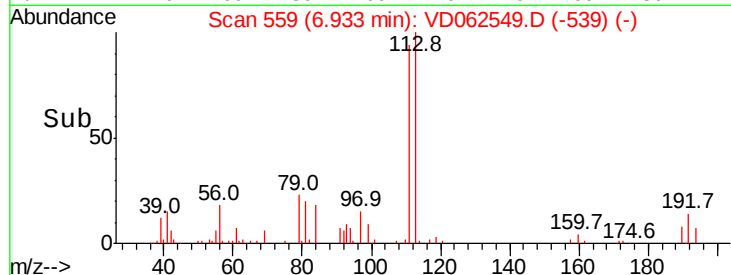
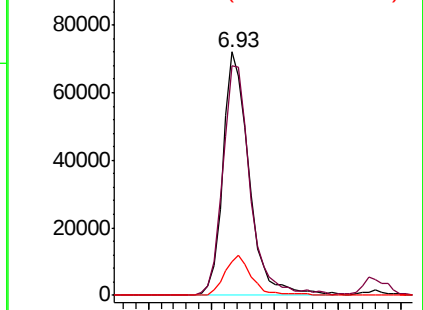
113 100

111 94.1 78.8 118.2

192 13.9 14.6 22.0#



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.152 ug/l

RT: 7.16 min Scan# 582

Delta R.T. -0.00 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

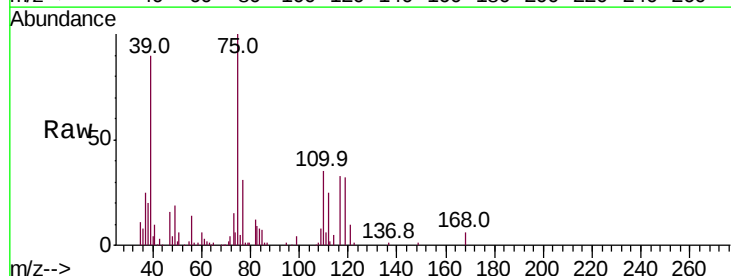
Tgt Ion: 75 Resp: 237672

Ion Ratio Lower Upper

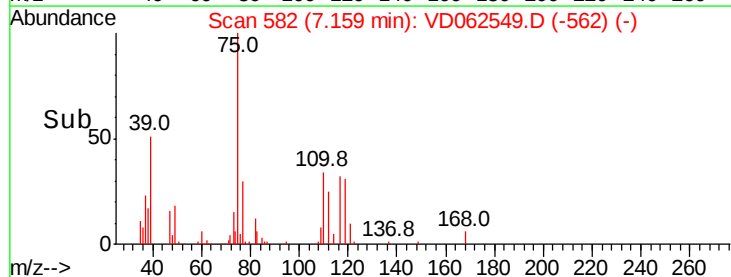
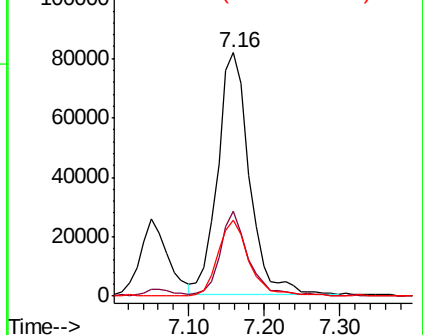
75 100

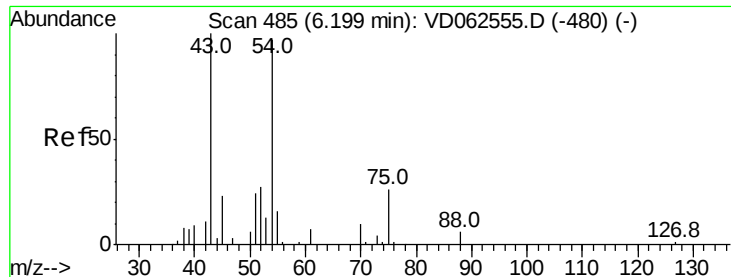
110 35.1 18.3 54.8

77 31.4 24.4 36.6



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V

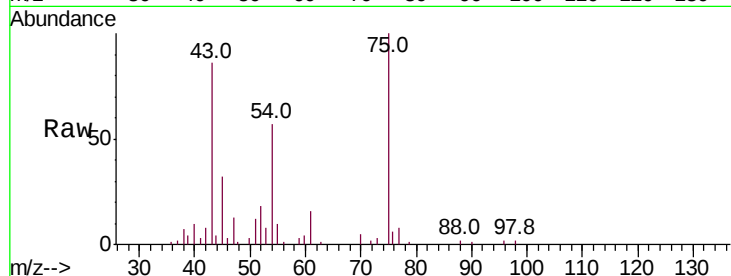




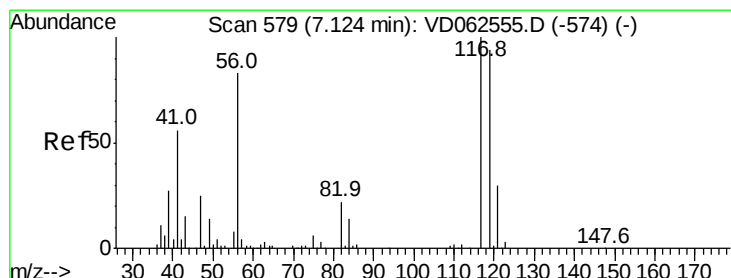
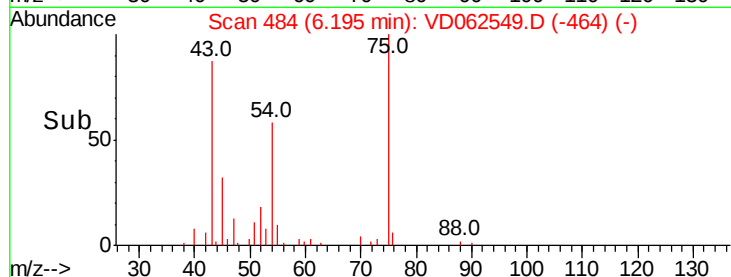
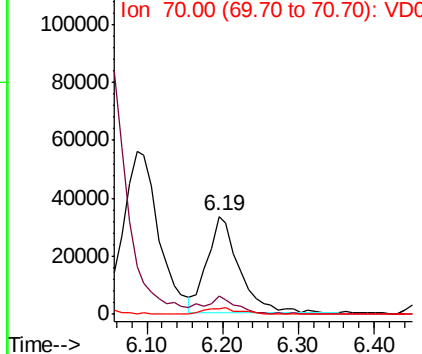
#37
Ethyl Acetate
Concen: 19.965 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.00 min
Lab File: VD062549.D
Acq: 30 May 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 100171
Ion Ratio Lower Upper
43 100
61 18.3 9.8 14.8#
70 5.3 6.5 9.7#

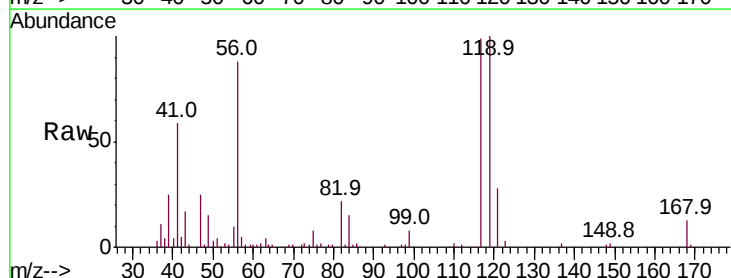


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

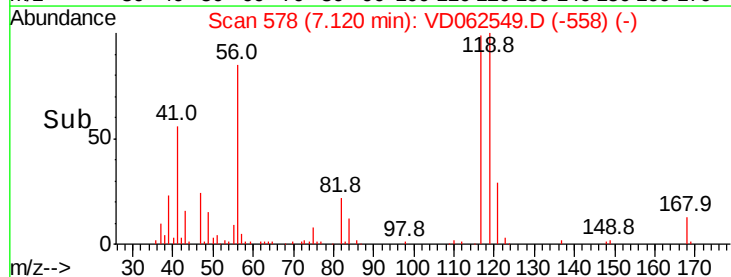
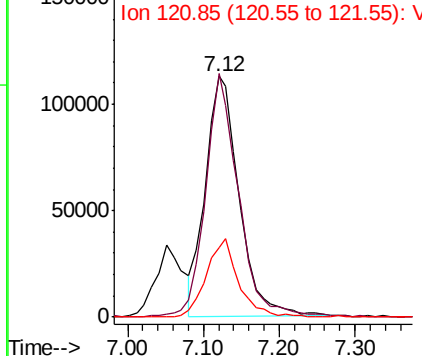


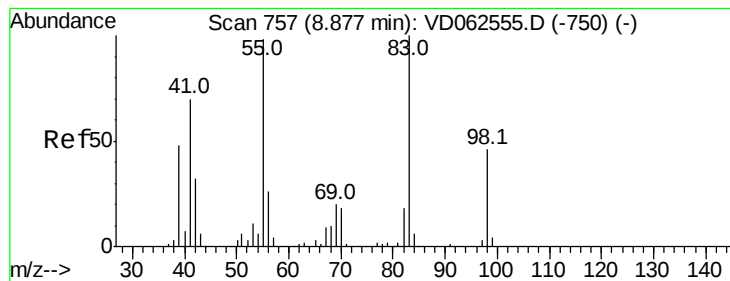
#38
Carbon Tetrachloride
Concen: 20.620 ug/l
RT: 7.12 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD062549.D
Acq: 30 May 2019 12:33

Tgt Ion: 117 Resp: 349951
Ion Ratio Lower Upper
117 100
119 101.1 71.4 107.2
121 28.7 22.5 33.7



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 21.365 ug/l

RT: 8.87 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

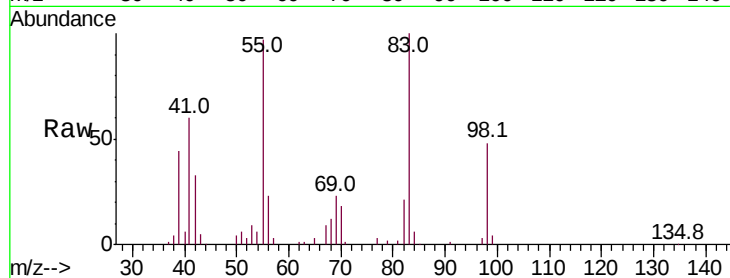
Tot Ion: 83 Resp: 201106

Ion Ratio Lower Upper

83 100

55 97.2 78.7 118.1

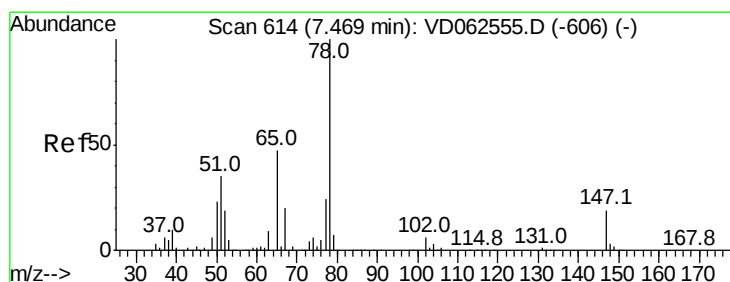
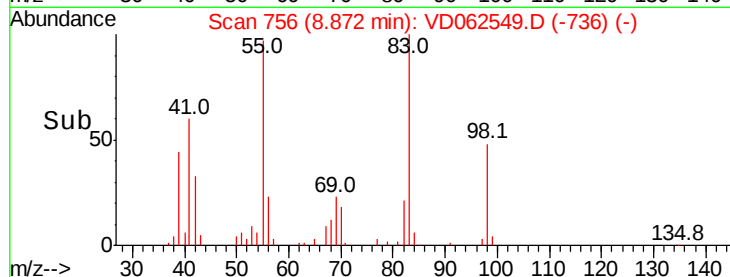
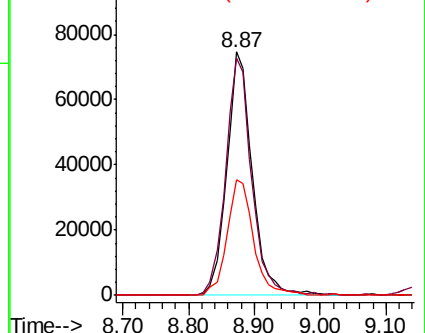
98 47.6 37.2 55.8



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 20.675 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062549.D

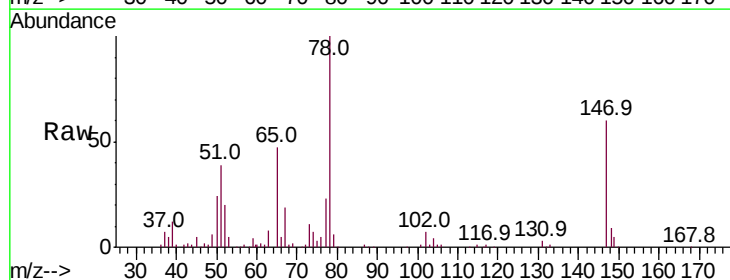
Acq: 30 May 2019 12:33

Tgt Ion: 78 Resp: 456343

Ion Ratio Lower Upper

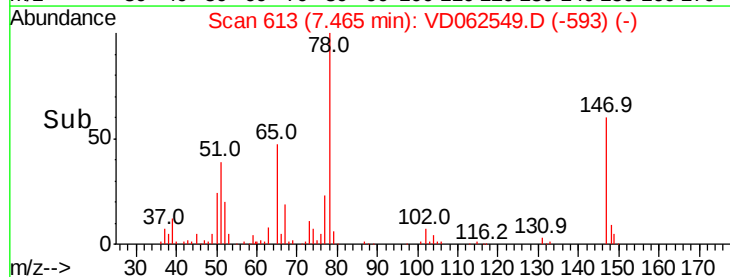
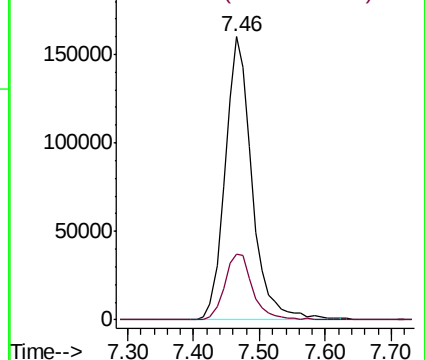
78 100

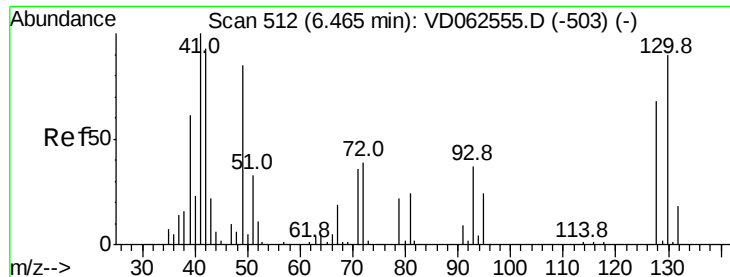
77 23.3 19.1 28.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 21.285 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.00 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Instrument :

MSVOA_D

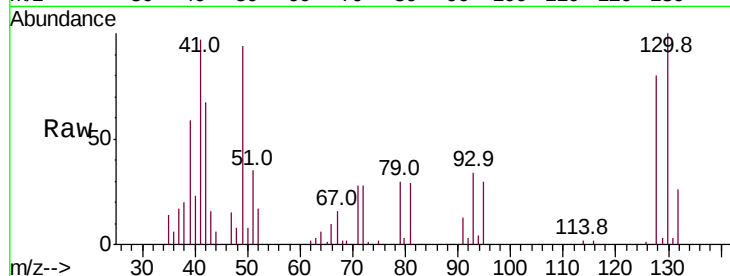
ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 119709

Ion Ratio Lower Upper

41	100		
39	60.6	49.0	73.6
67	16.3	15.5	23.3
52	17.3	8.9	13.3



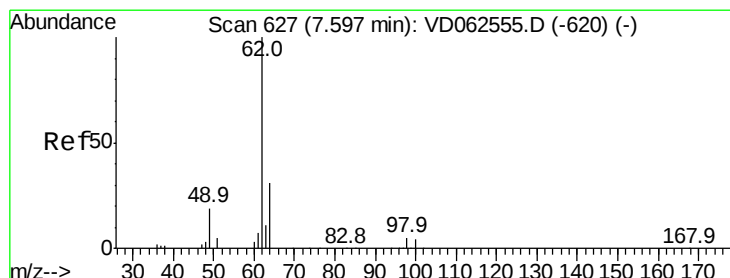
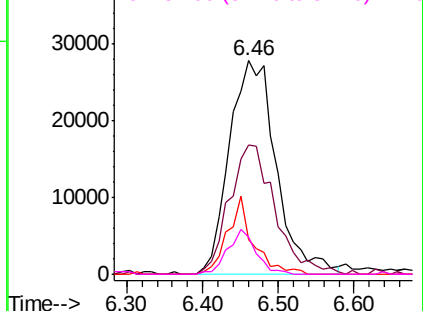
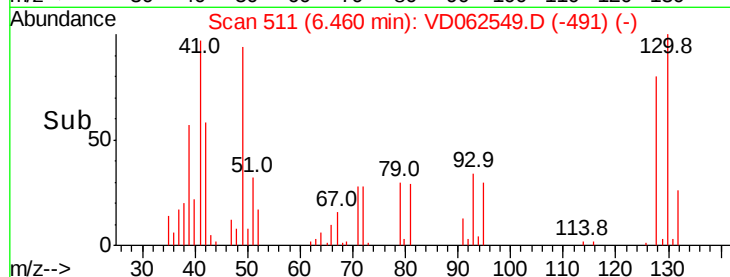
Abundance

Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.515 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.00 min

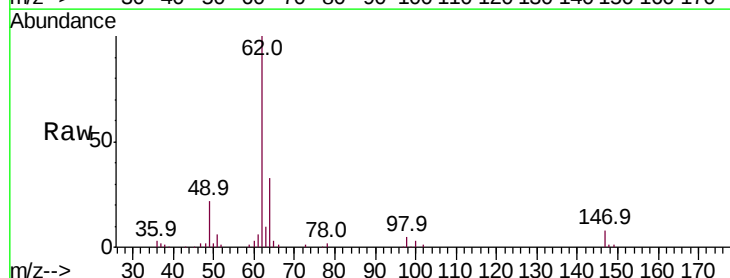
Lab File: VD062549.D

Acq: 30 May 2019 12:33

Tgt Ion: 62 Resp: 265121

Ion Ratio Lower Upper

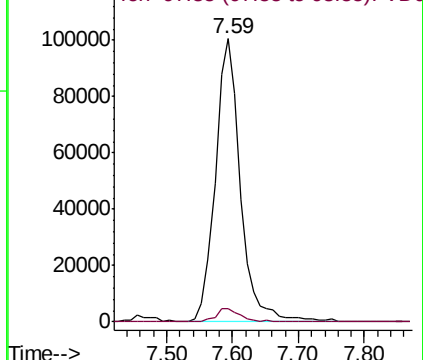
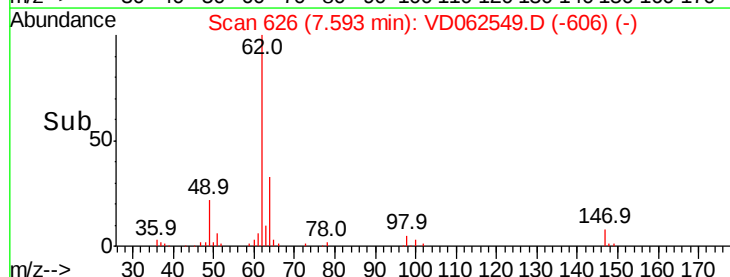
62	100		
98	5.2	0.0	11.0

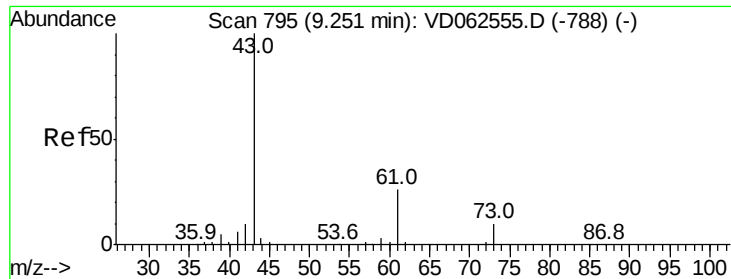


Abundance

Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 22.025 ug/l

RT: 9.25 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

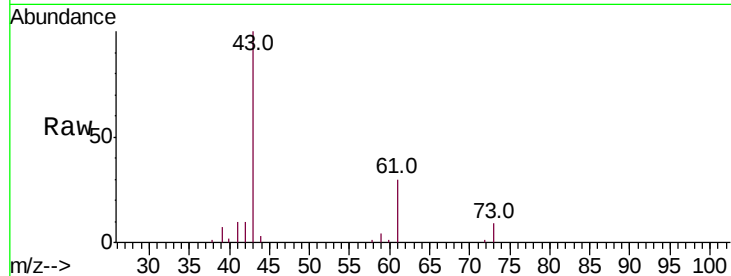
Tot Ion: 43 Resp: 131030

Ion Ratio Lower Upper

43 100

61 29.7 20.5 30.7

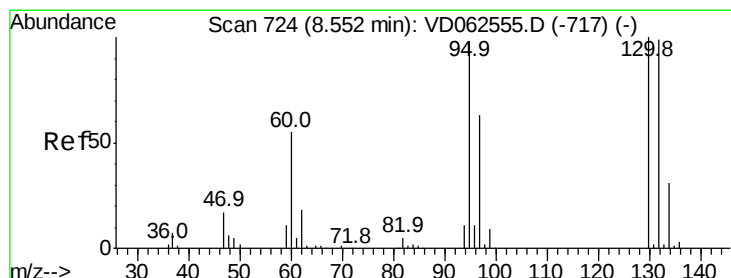
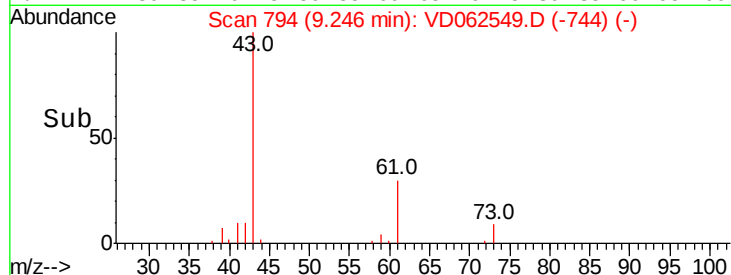
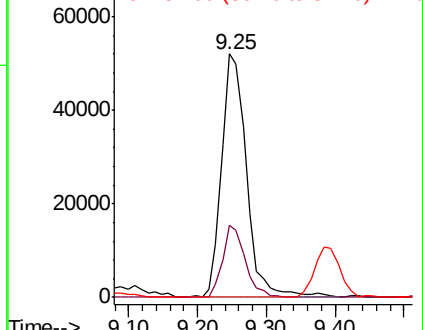
87 0.0 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.665 ug/l

RT: 8.56 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD062549.D

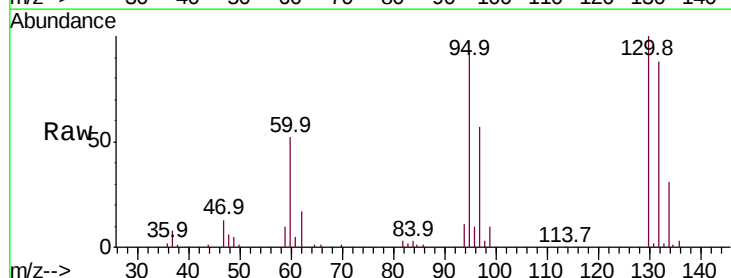
Acq: 30 May 2019 12:33

Tgt Ion:130 Resp: 191407

Ion Ratio Lower Upper

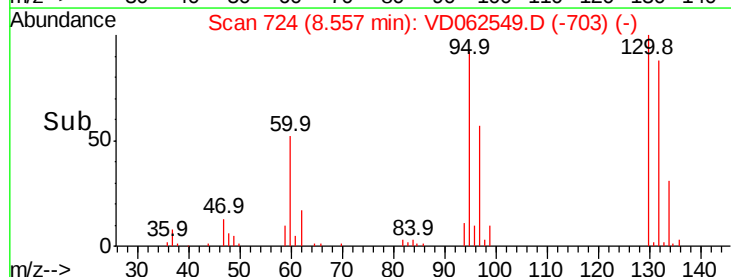
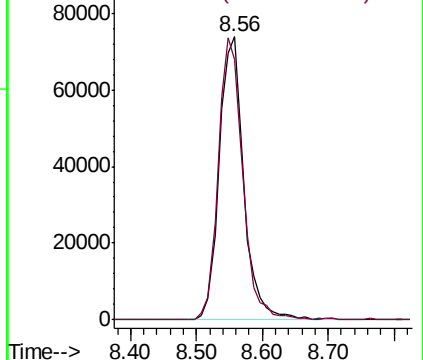
130 100

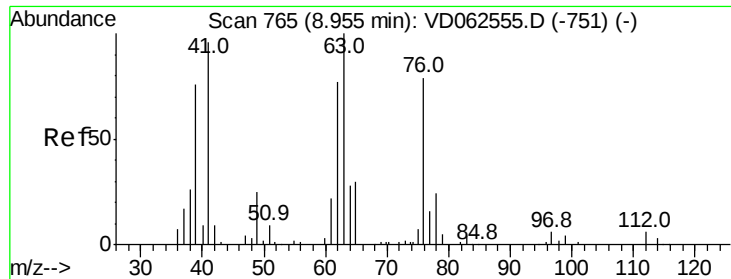
95 92.0 0.0 196.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.916 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

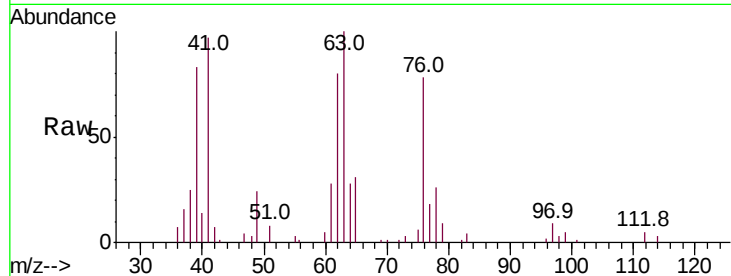
VSTDIC020

Tot Ion: 63 Resp: 113397

Ion Ratio Lower Upper

63 100

65 31.1 23.7 35.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

40000

30000

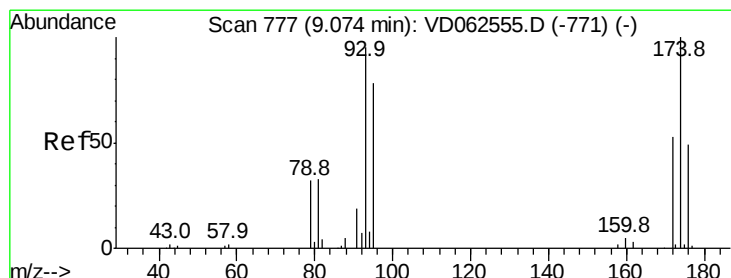
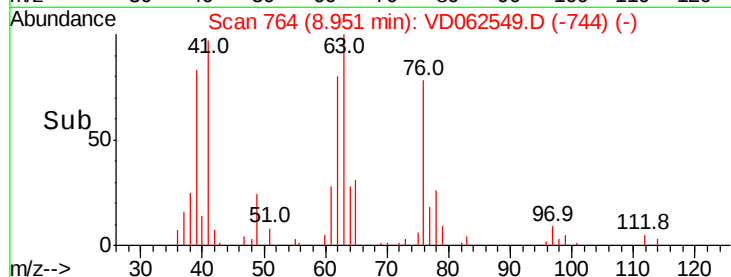
20000

10000

0

8.80 8.90 9.00 9.10

Time-->



#46

Dibromomethane

Concen: 21.570 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

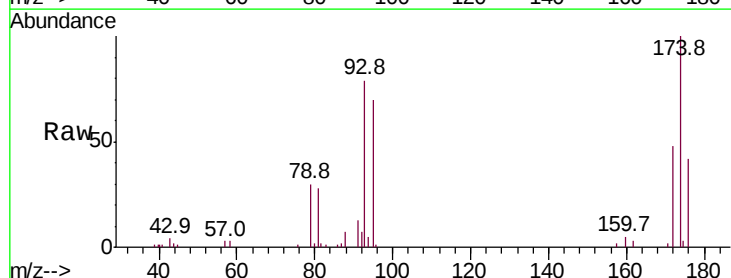
Tgt Ion: 93 Resp: 97545

Ion Ratio Lower Upper

93 100

95 88.3 66.1 99.1

174 126.7 84.2 126.4#



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

60000

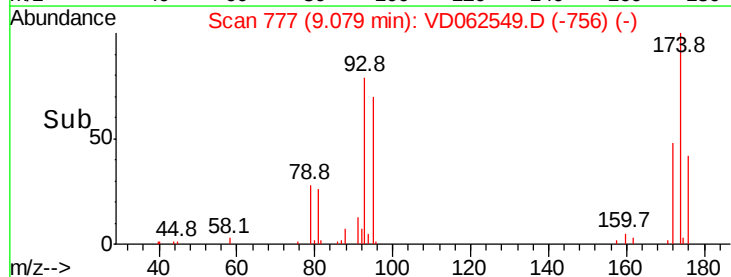
40000

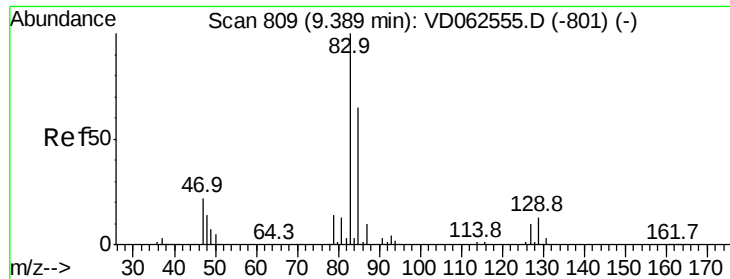
20000

0

9.00 9.10 9.20

Time-->





#47

Bromodichloromethane

Concen: 21.824 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

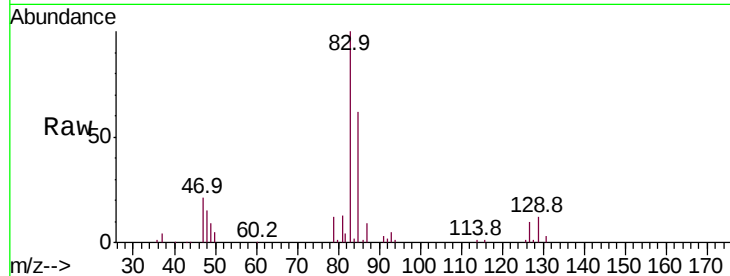
Tot Ion: 83 Resp: 274151

Ion Ratio Lower Upper

83 100

85 61.9 51.8 77.8

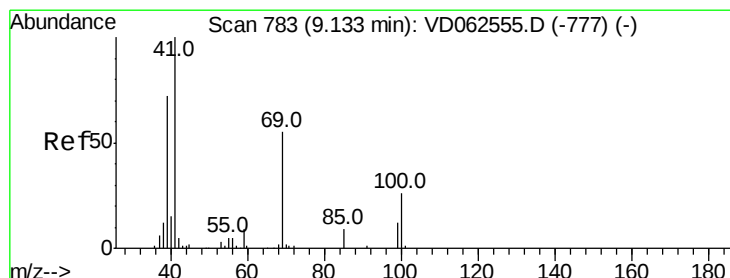
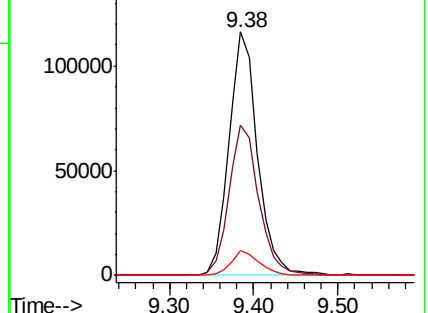
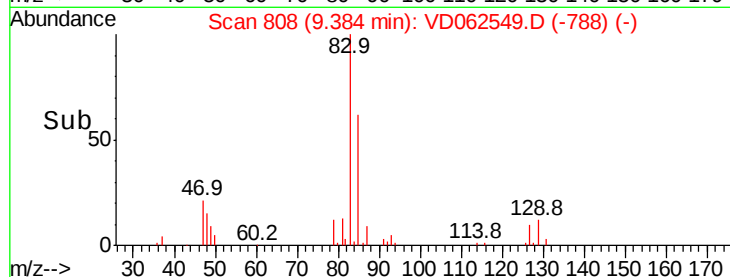
127 10.2 7.8 11.6



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 19.825 ug/l

RT: 9.14 min Scan# 783

Delta R.T. 0.01 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

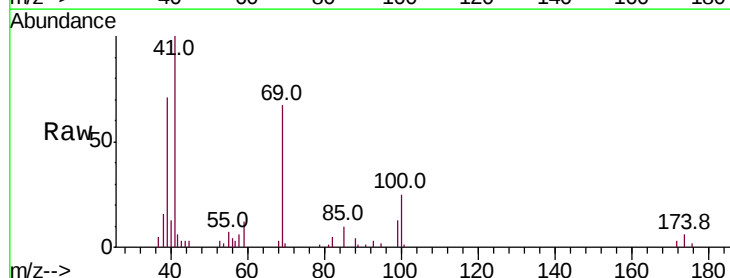
Tgt Ion: 41 Resp: 81041

Ion Ratio Lower Upper

41 100

69 67.4 43.6 65.4#

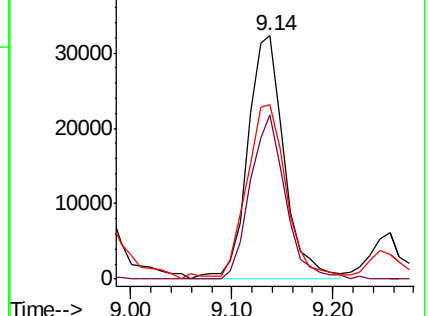
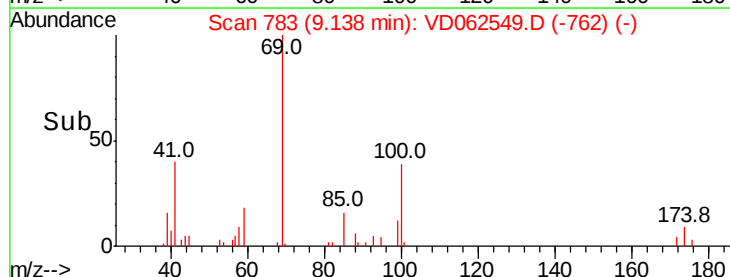
39 71.4 58.1 87.1

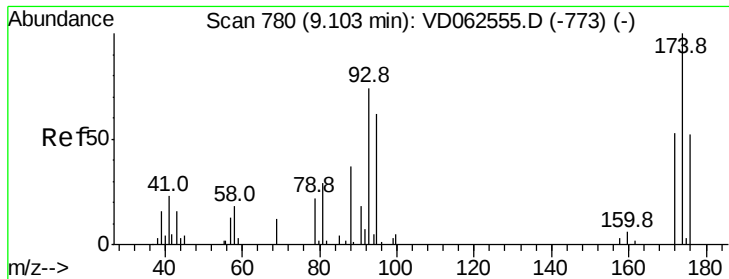


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 391.208 ug/l

RT: 9.09 min Scan# 778

Delta R.T. -0.01 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

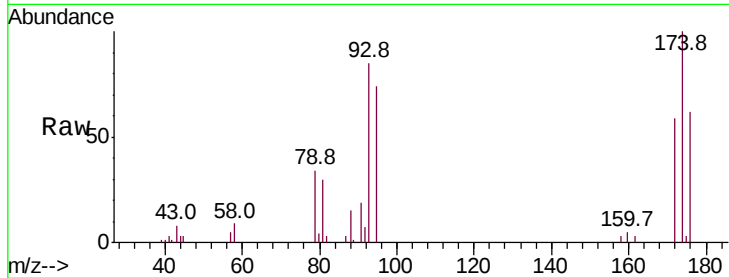
Tot Ion: 88 Resp: 12982

Ion Ratio Lower Upper

88 100

43 54.1 37.1 55.7

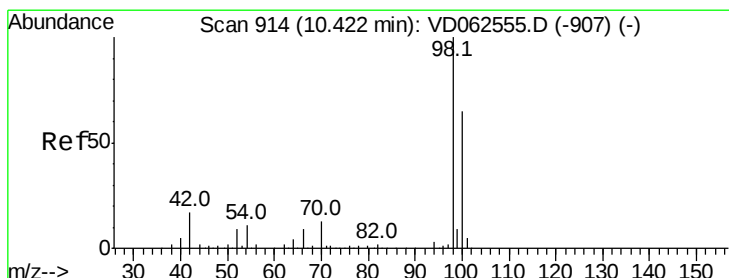
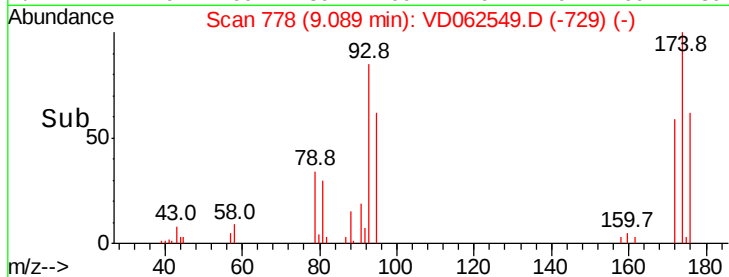
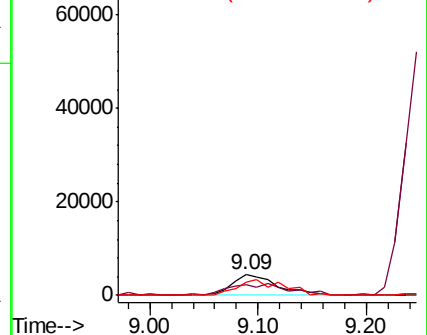
58 61.6 39.3 58.9#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 20.986 ug/l

RT: 10.42 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD062549.D

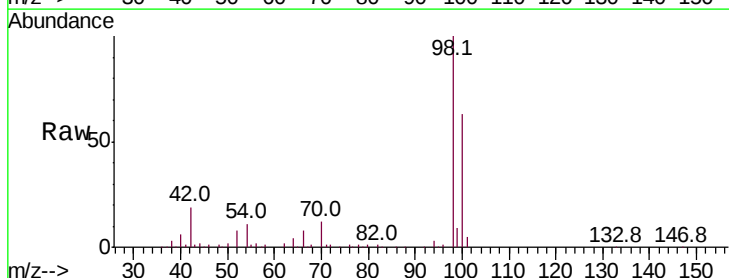
Acq: 30 May 2019 12:33

Tgt Ion: 98 Resp: 465636

Ion Ratio Lower Upper

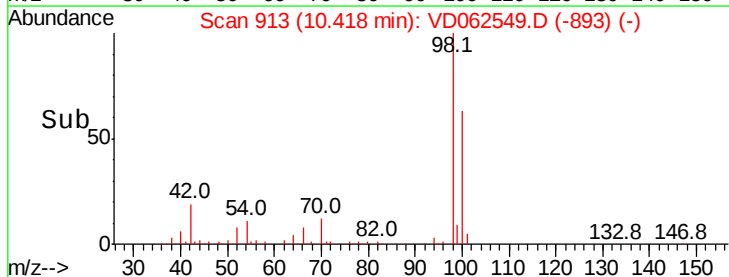
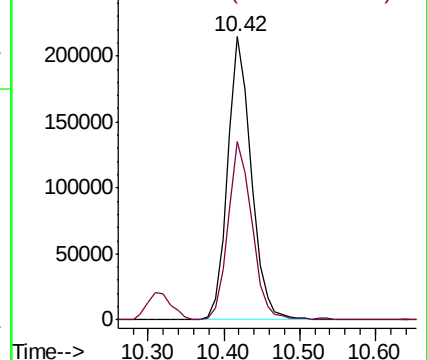
98 100

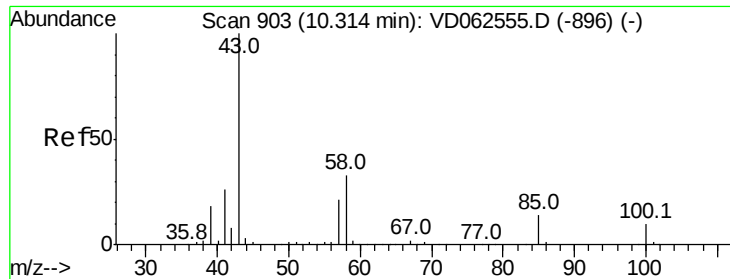
100 63.2 52.3 78.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 105.178 ug/l

RT: 10.31 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

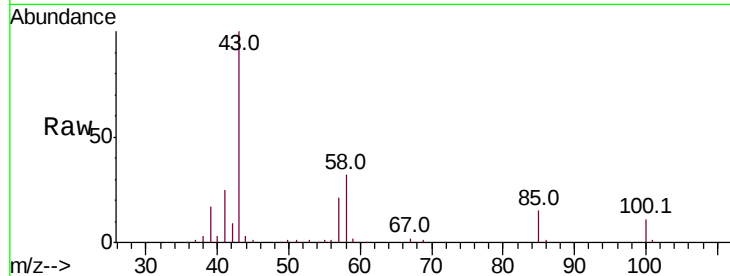
VSTDIC020

Tot Ion: 43 Resp: 442650

Ion Ratio Lower Upper

43 100

58 31.7 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

200000

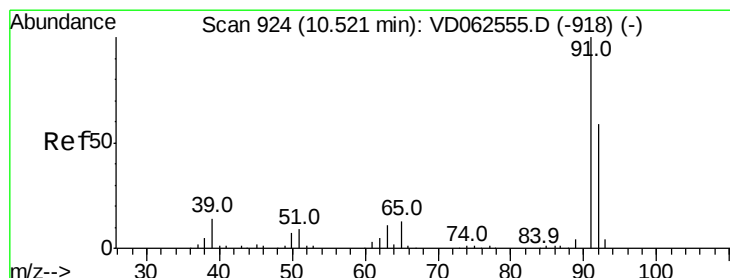
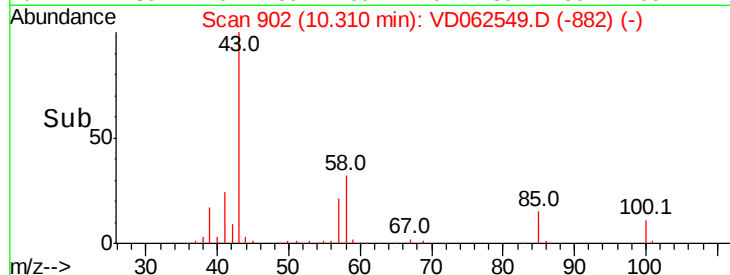
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.979 ug/l

RT: 10.52 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD062549.D

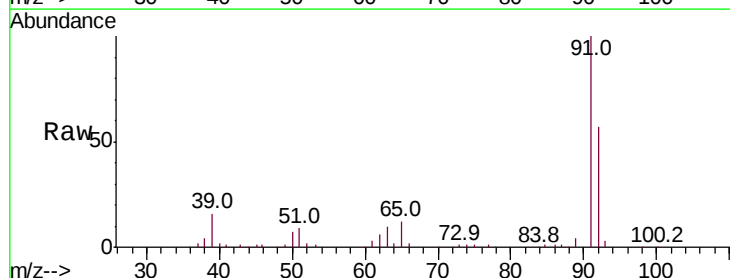
Acq: 30 May 2019 12:33

Tgt Ion: 92 Resp: 330042

Ion Ratio Lower Upper

92 100

91 176.2 135.5 203.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.52

300000

250000

200000

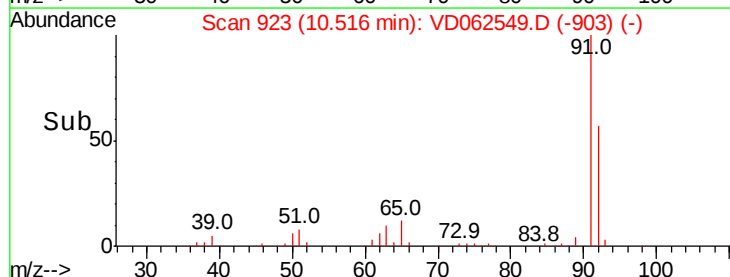
150000

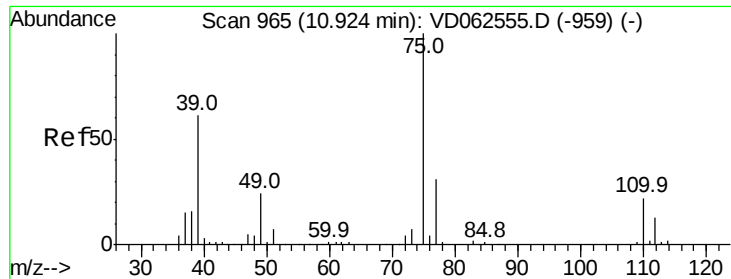
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.183 ug/l

RT: 10.93 min Scan# 965

Delta R.T. 0.01 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

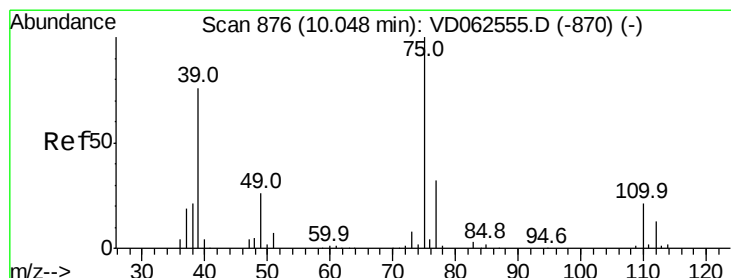
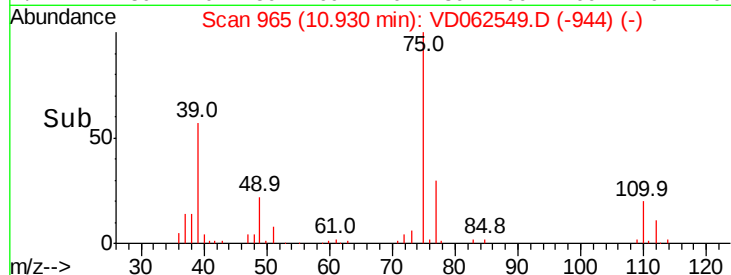
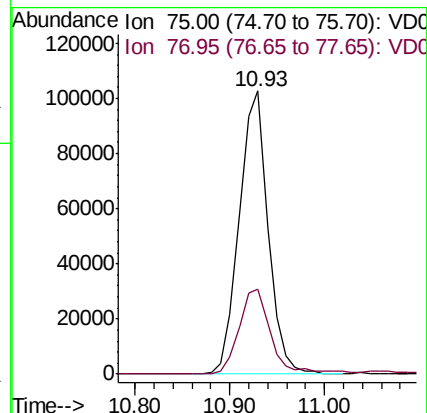
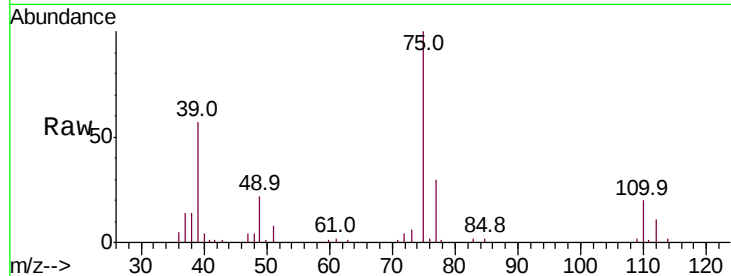
VSTDIC020

Tot Ion: 75 Resp: 216739

Ion Ratio Lower Upper

75 100

77 30.0 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 21.829 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.01 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

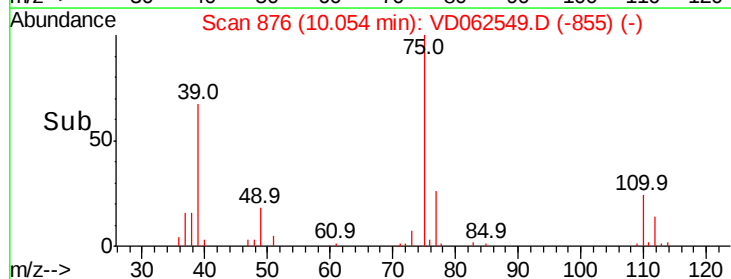
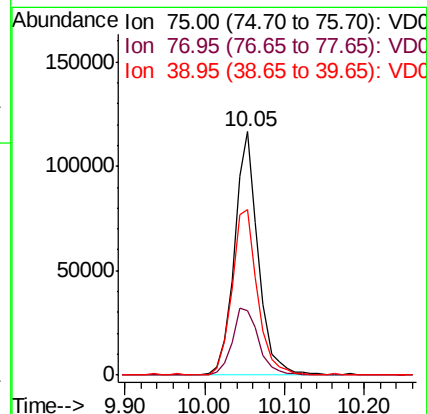
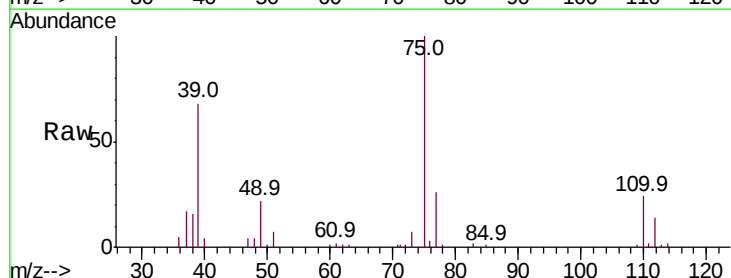
Tgt Ion: 75 Resp: 242323

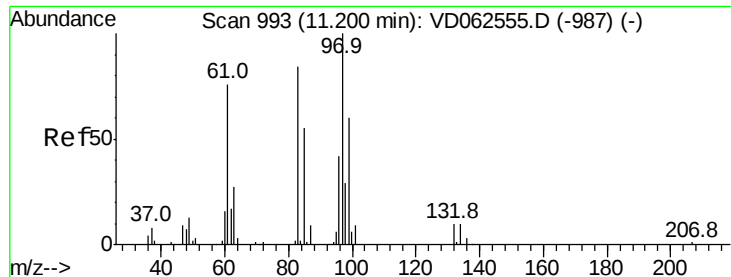
Ion Ratio Lower Upper

75 100

77 26.3 25.7 38.5

39 68.1 61.0 91.6



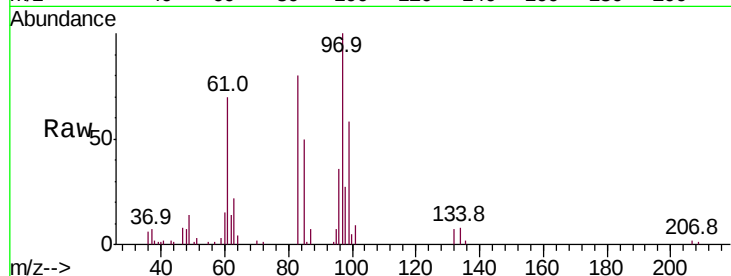


#55
 1,1,2-Trichloroethane
 Concen: 20.436 ug/l
 RT: 11.20 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VD062549.D
 Acq: 30 May 2019 12:33

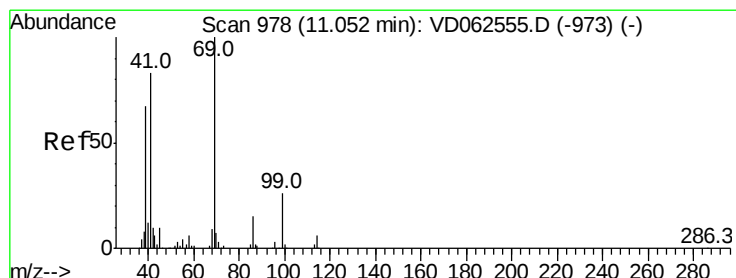
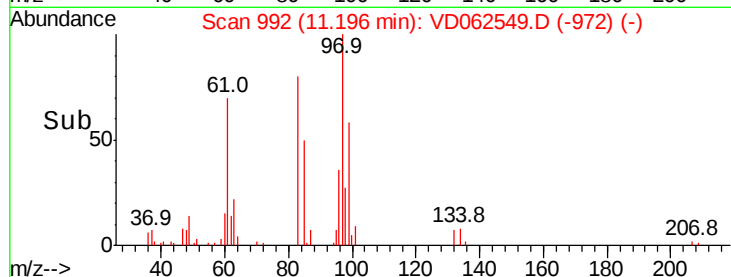
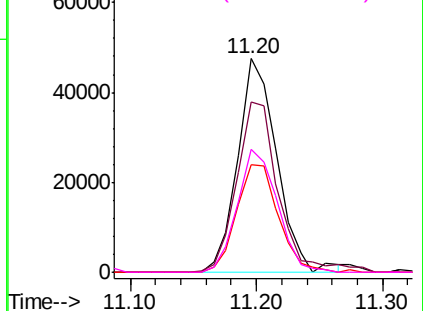
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 97 Resp: 102039

Ion	Ratio	Lower	Upper
97	100		
83	80.0	67.3	100.9
85	50.4	43.8	65.8
99	57.6	48.2	72.2



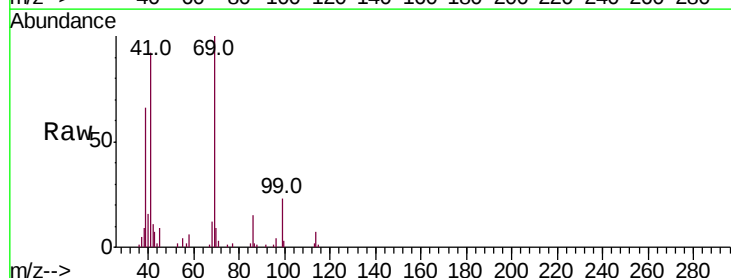
Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC



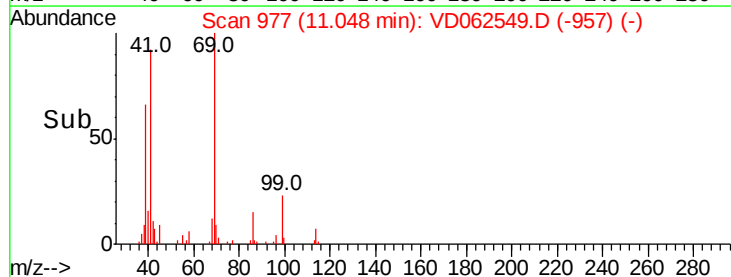
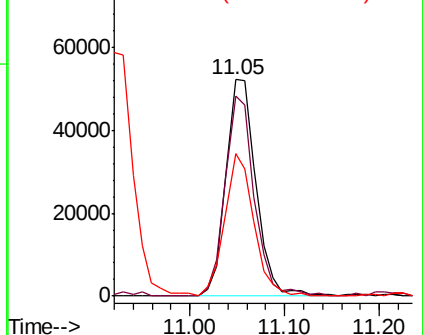
#56
 Ethyl methacrylate
 Concen: 21.802 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VD062549.D
 Acq: 30 May 2019 12:33

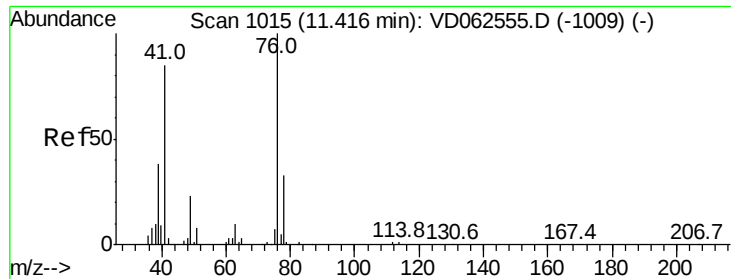
Tgt Ion: 69 Resp: 115143

Ion	Ratio	Lower	Upper
69	100		
41	92.3	66.1	99.1
39	65.9	54.2	81.2



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 21.035 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

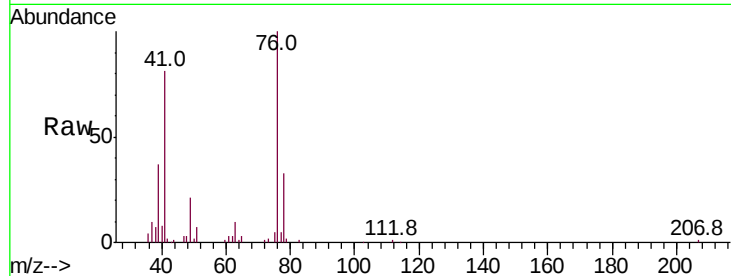
VSTDIC020

Tot Ion: 76 Resp: 159082

Ion Ratio Lower Upper

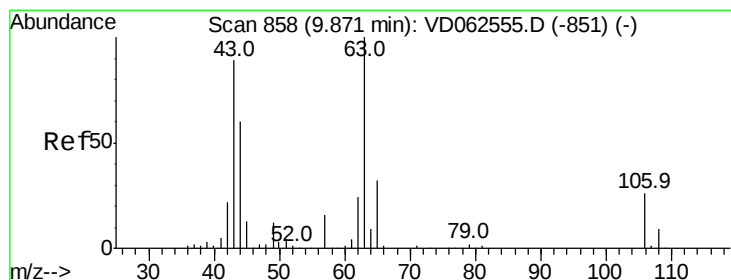
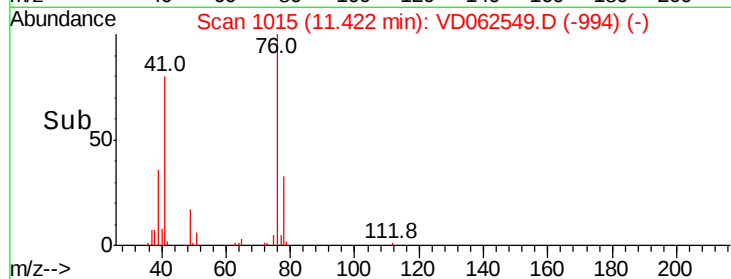
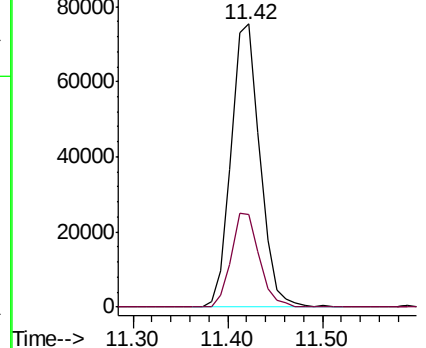
76 100

78 32.9 26.7 40.1



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 120.092 ug/l

RT: 9.87 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD062549.D

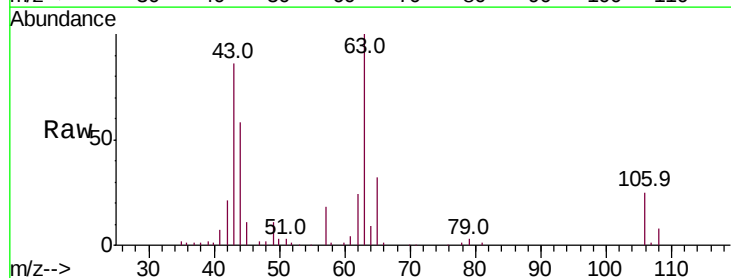
Acq: 30 May 2019 12:33

Tgt Ion: 63 Resp: 328722

Ion Ratio Lower Upper

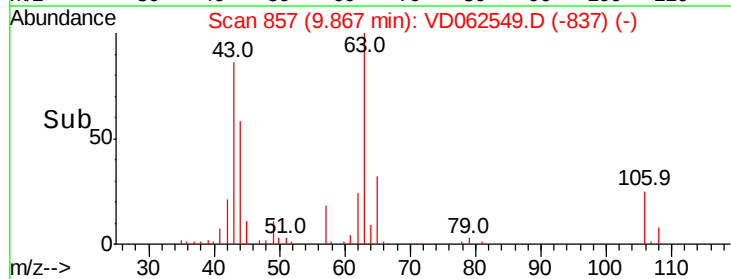
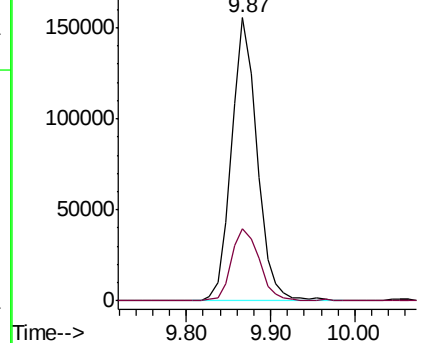
63 100

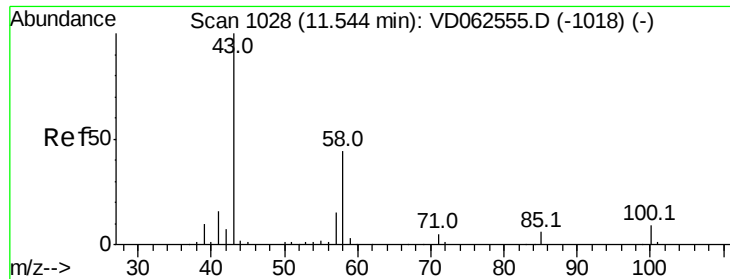
106 25.3 21.0 31.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

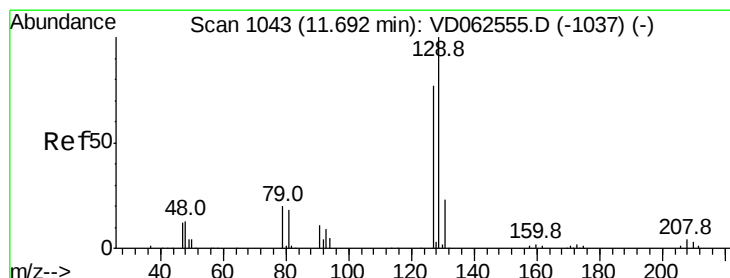
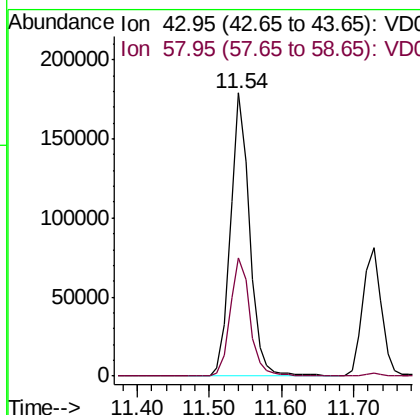
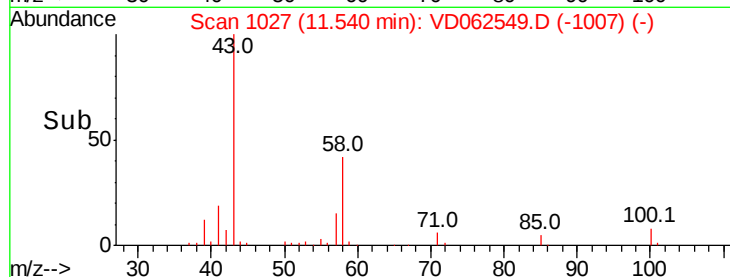
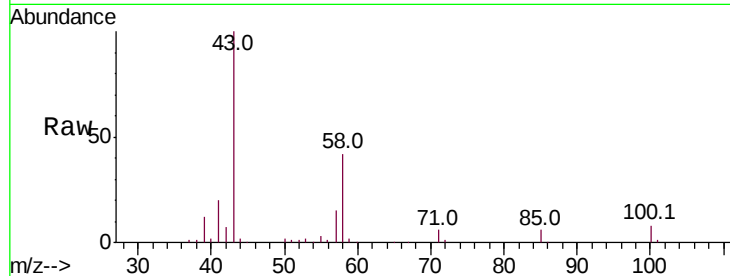




#59
2-Hexanone
Concen: 113.125 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD062549.D
Acq: 30 May 2019 12:33

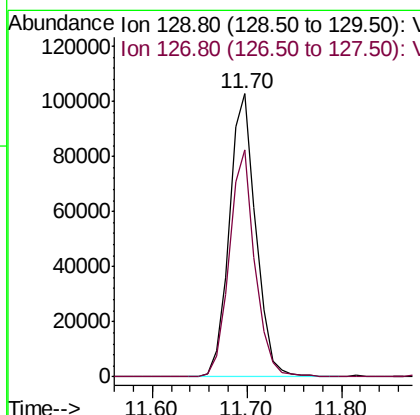
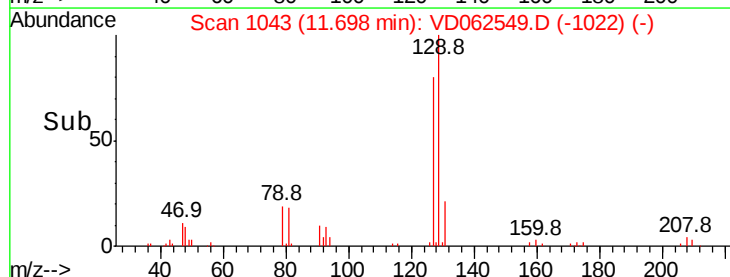
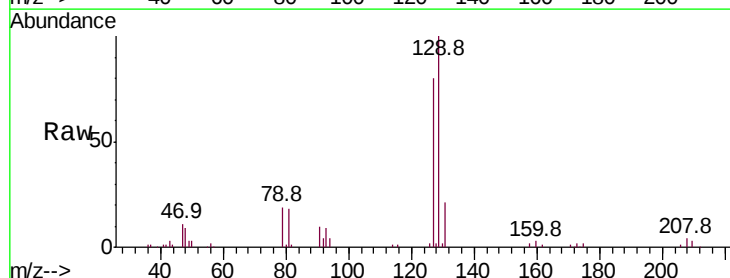
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

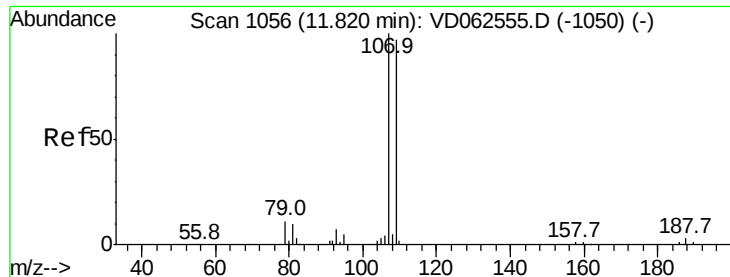
Tot Ion: 43 Resp: 332643
Ion Ratio Lower Upper
43 100
58 41.7 22.0 66.0



#60
Dibromochloromethane
Concen: 20.618 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD062549.D
Acq: 30 May 2019 12:33

Tgt Ion: 129 Resp: 199721
Ion Ratio Lower Upper
129 100
127 80.3 38.6 115.8

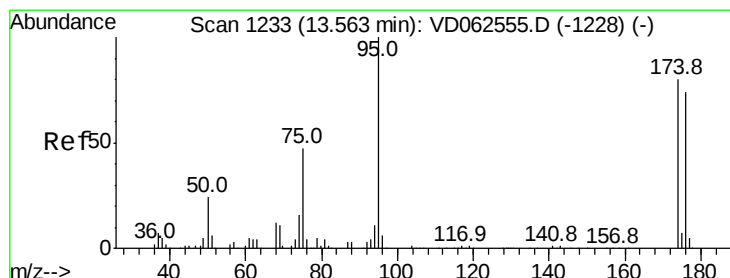
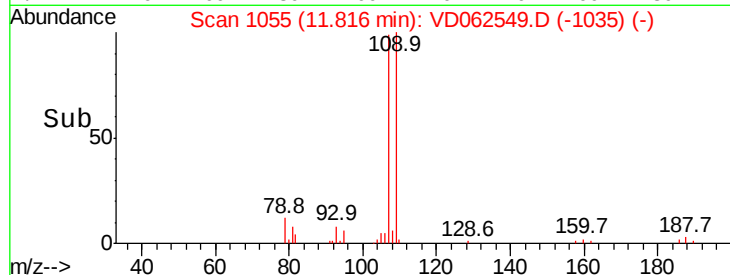
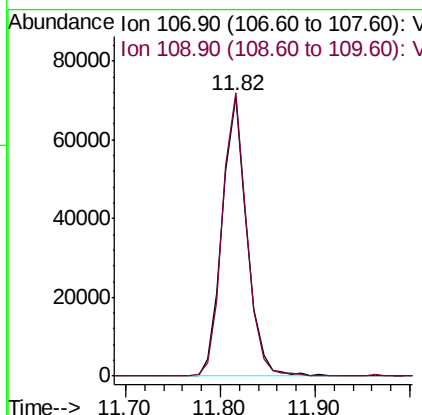
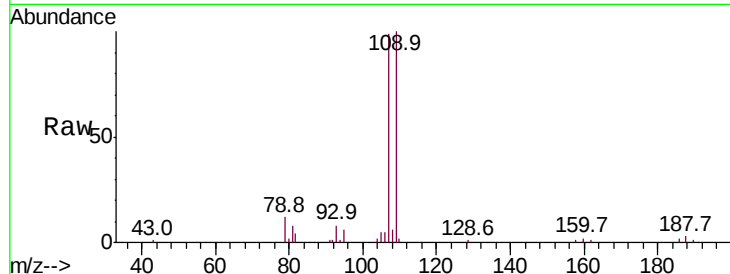




#61
 1,2-Dibromoethane
 Concen: 21.679 ug/l
 RT: 11.82 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD062549.D
 Acq: 30 May 2019 12:33

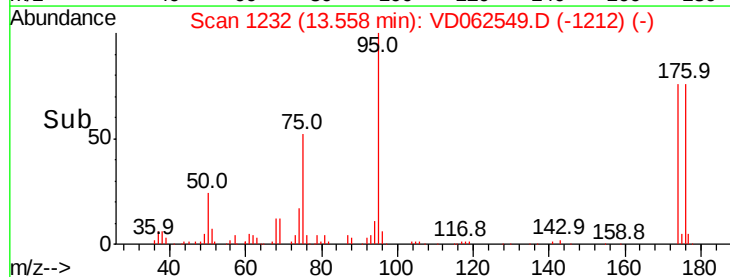
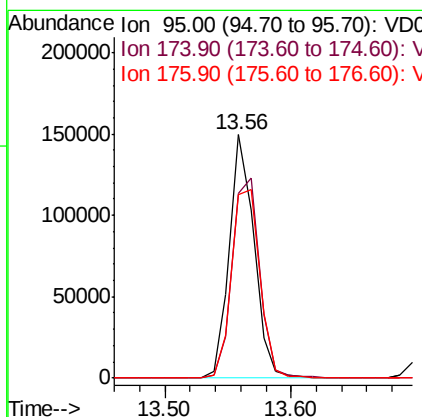
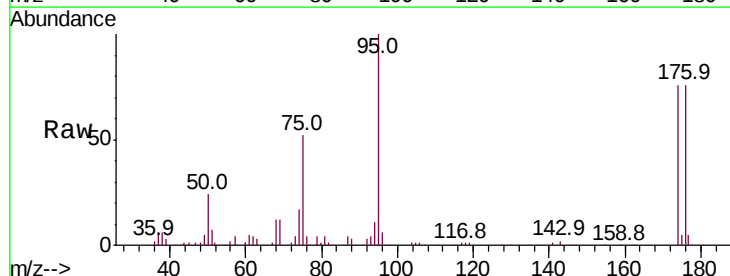
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

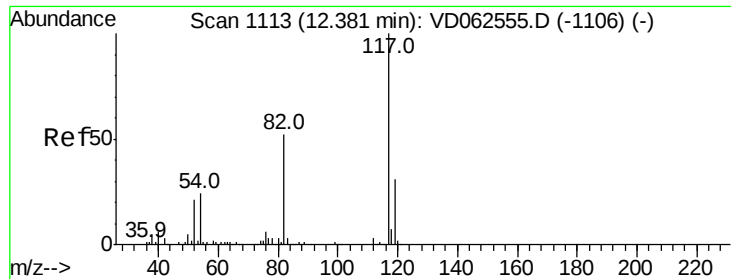
Tot Ion:107 Resp: 128093
 Ion Ratio Lower Upper
 107 100
 109 101.1 77.3 115.9



#62
 4-Bromofluorobenzene
 Concen: 20.209 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD062549.D
 Acq: 30 May 2019 12:33

Tgt Ion: 95 Resp: 201040
 Ion Ratio Lower Upper
 95 100
 174 75.9 0.0 160.2
 176 75.5 0.0 148.0

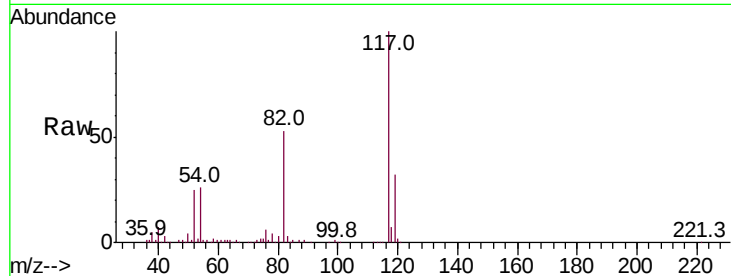




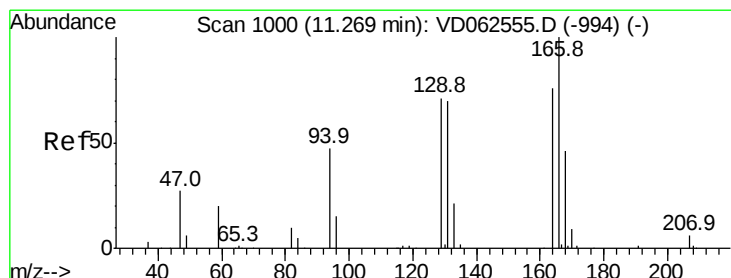
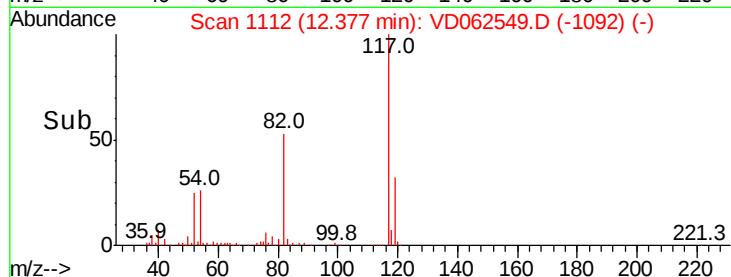
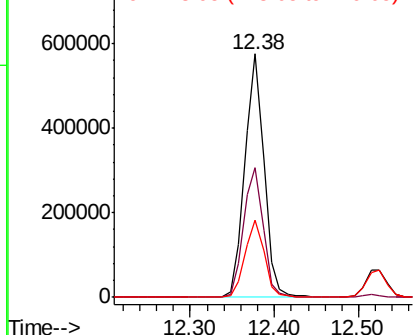
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062549.D
Acq: 30 May 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 921877
Ion Ratio Lower Upper
117 100
82 53.2 41.4 62.2
119 31.6 24.9 37.3

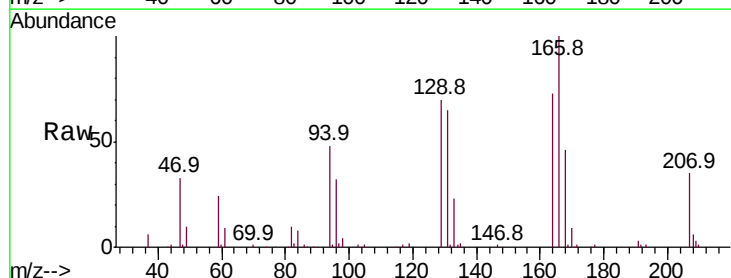


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

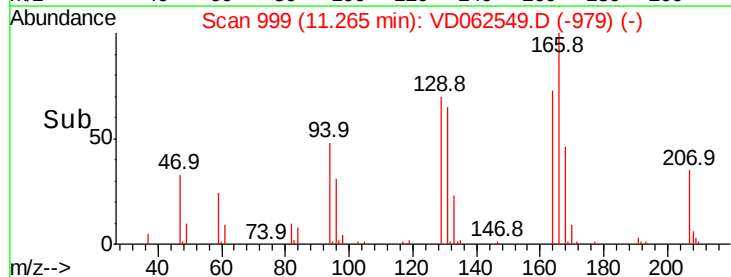
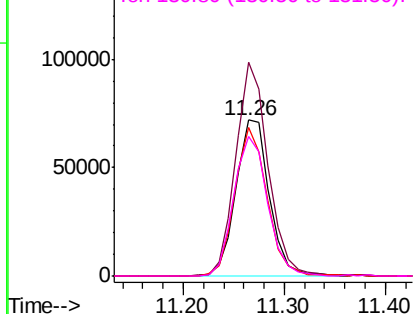


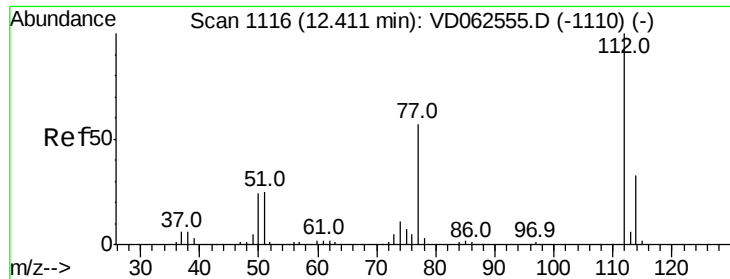
#64
Tetrachloroethene
Concen: 19.932 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD062549.D
Acq: 30 May 2019 12:33

Tgt Ion:164 Resp: 166298
Ion Ratio Lower Upper
164 100
166 137.2 105.3 157.9
129 95.8 75.3 112.9
131 89.5 73.3 109.9



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

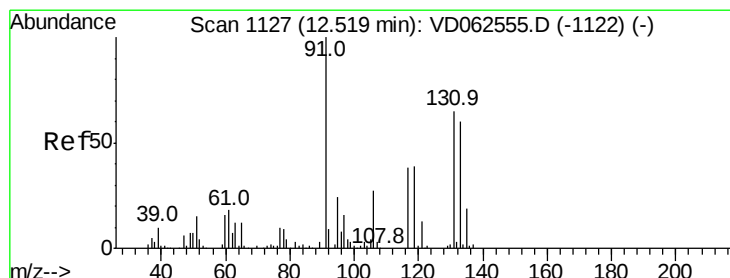
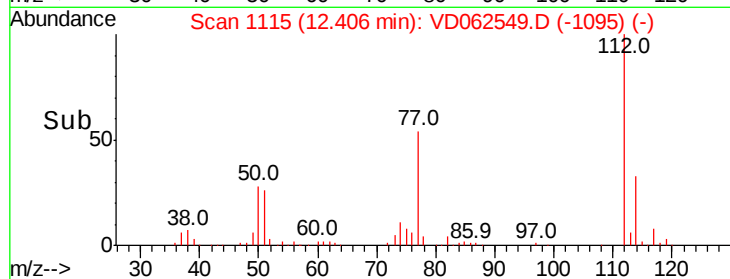
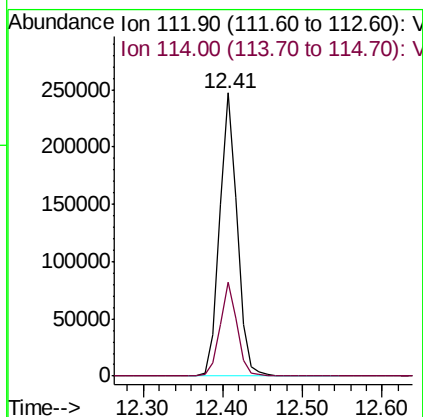
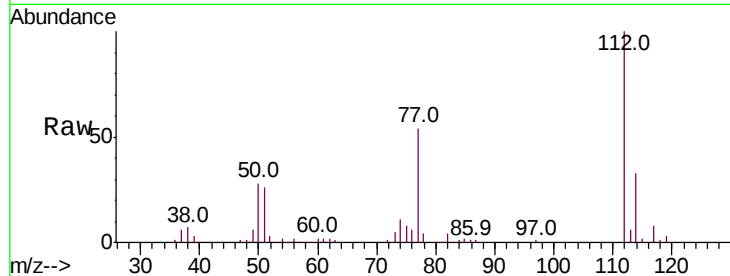




#65
Chlorobenzene
Concen: 20.787 ug/l
RT: 12.41 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD062549.D
Acq: 30 May 2019 12:33

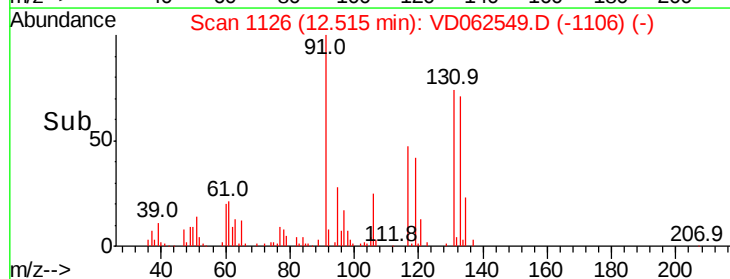
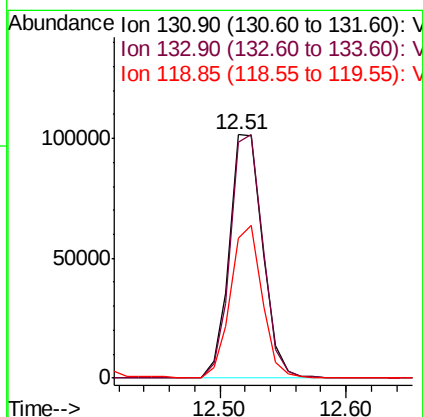
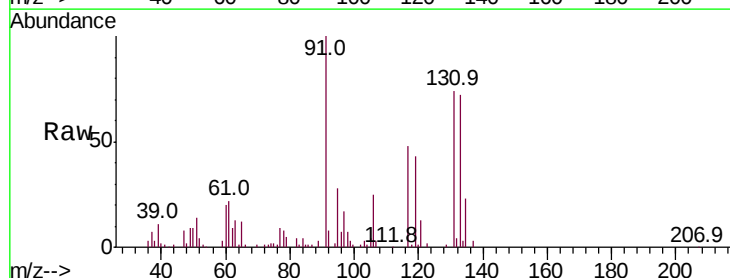
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

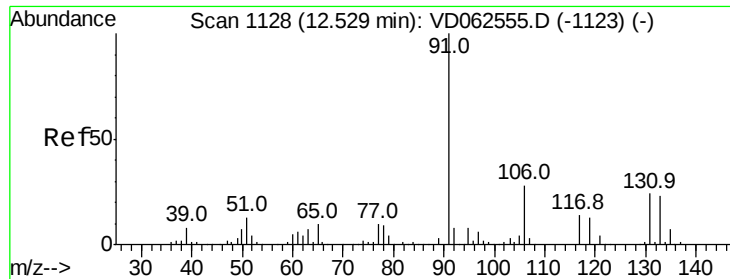
Tot Ion:112 Resp: 387489
Ion Ratio Lower Upper
112 100
114 33.2 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.220 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD062549.D
Acq: 30 May 2019 12:33

Tgt Ion:131 Resp: 184865
Ion Ratio Lower Upper
131 100
133 97.1 46.2 138.6
119 57.7 29.5 88.6

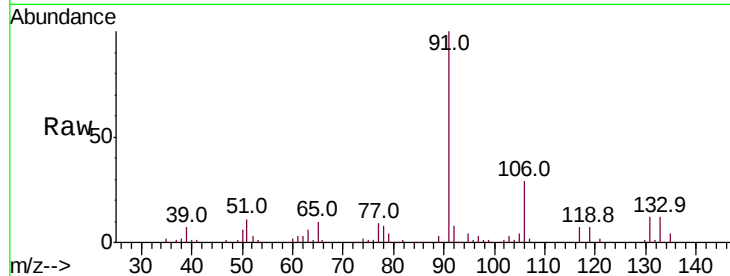




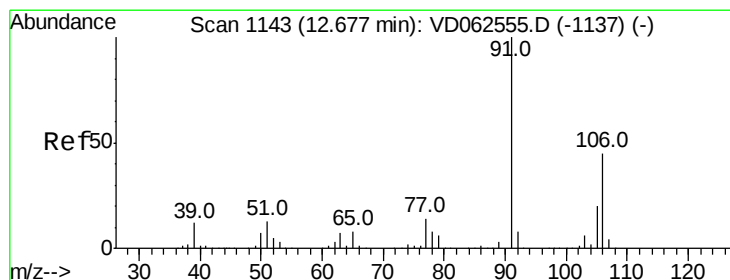
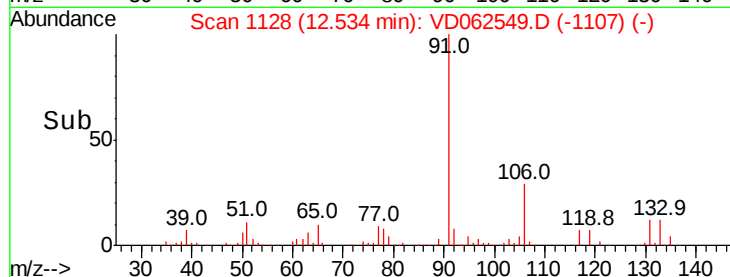
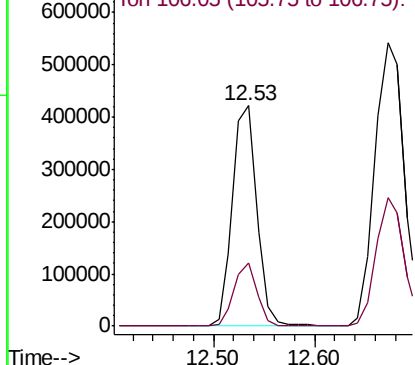
#67
Ethyl Benzene
Concen: 21.156 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062549.D
Acq: 30 May 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 710600
Ion Ratio Lower Upper
91 100
106 28.5 22.2 33.2

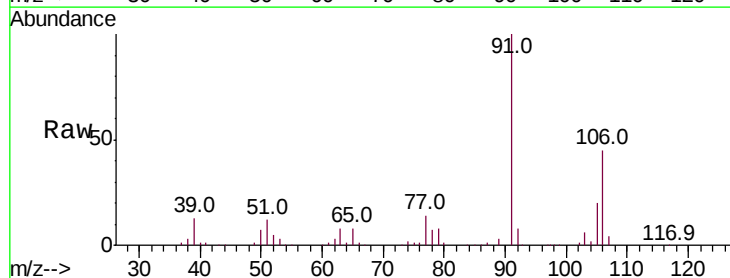


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

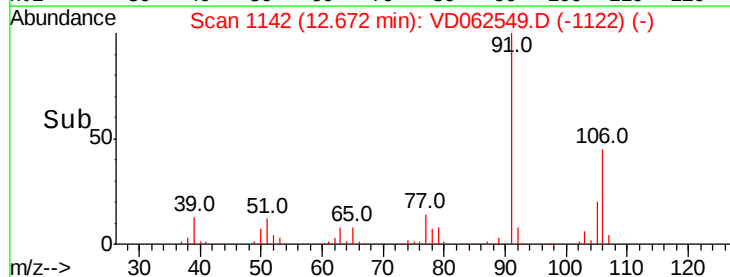
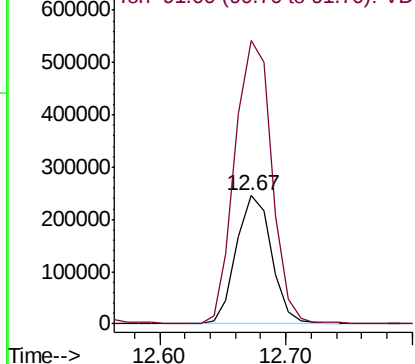


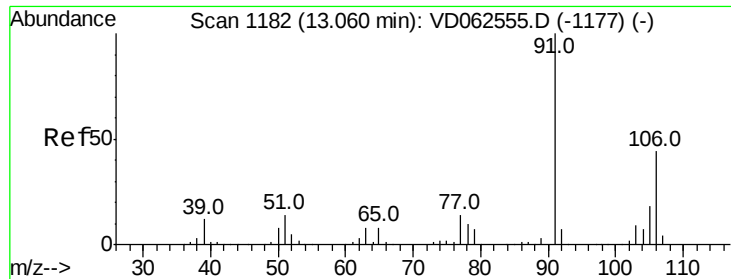
#68
m/p-Xylenes
Concen: 41.782 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD062549.D
Acq: 30 May 2019 12:33

Tgt Ion: 106 Resp: 476601
Ion Ratio Lower Upper
106 100
91 221.2 178.9 268.3



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

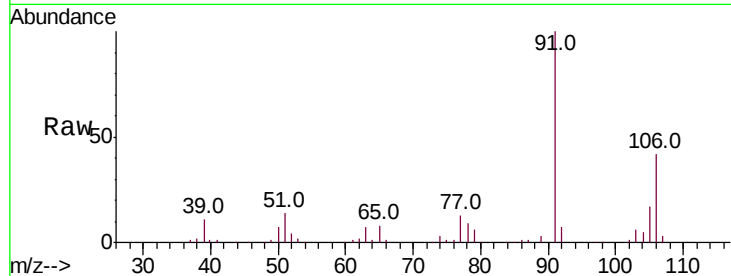




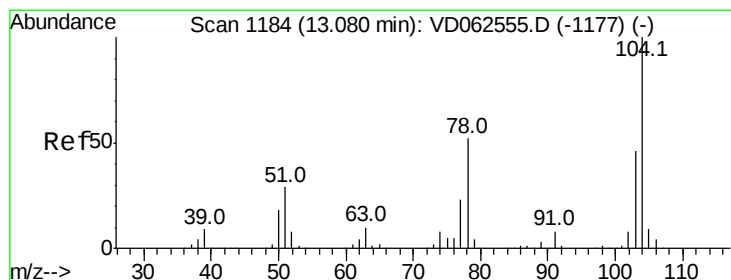
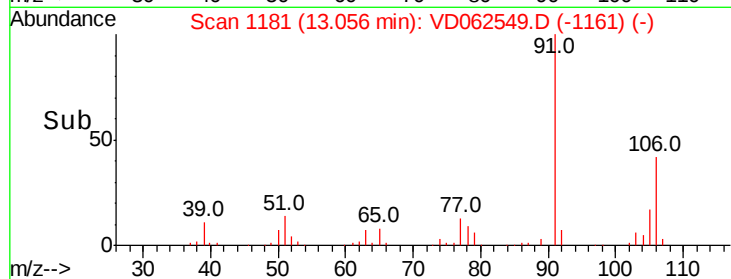
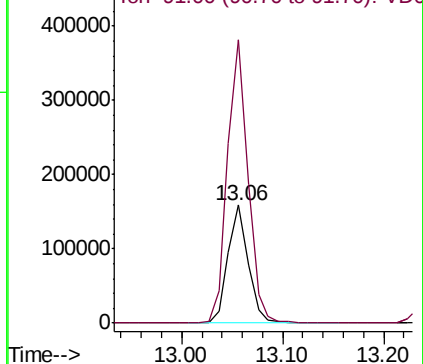
#69
o-Xylene
Concen: 20.082 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062549.D
Acq: 30 May 2019 12:33

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC020

Tot Ion:106 Resp: 221981
Ion Ratio Lower Upper
106 100
91 240.1 113.9 341.8

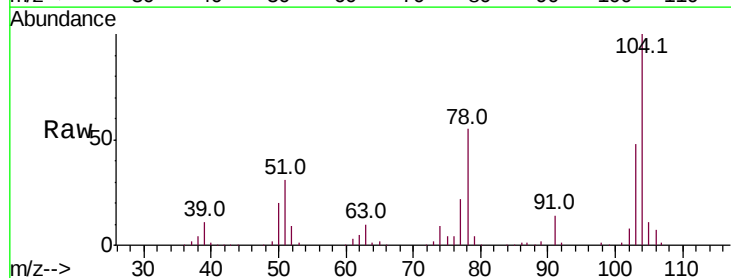


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

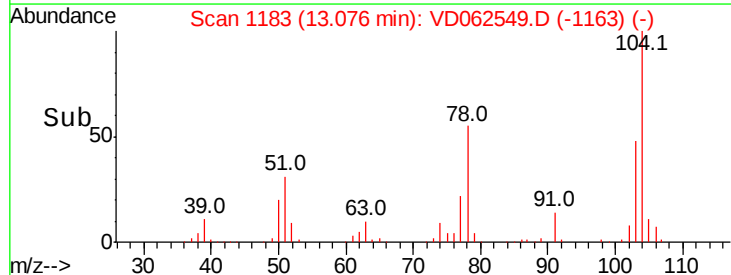
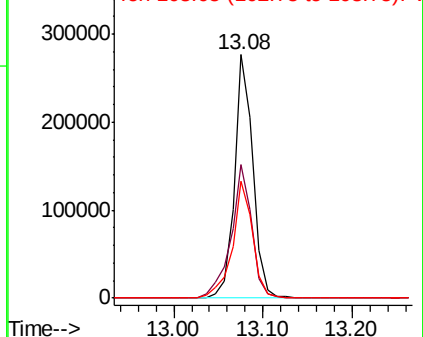


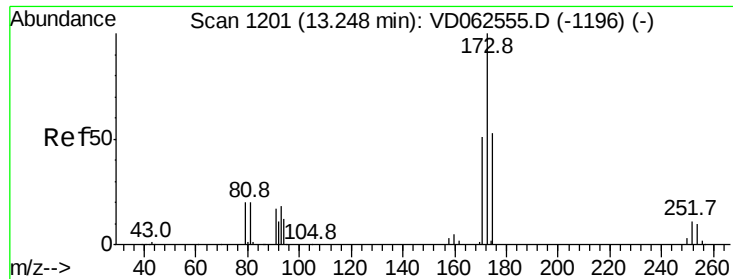
#70
Styrene
Concen: 21.347 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062549.D
Acq: 30 May 2019 12:33

Tgt Ion:104 Resp: 398891
Ion Ratio Lower Upper
104 100
78 55.0 41.5 62.3
103 47.8 36.6 55.0



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 20.935 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

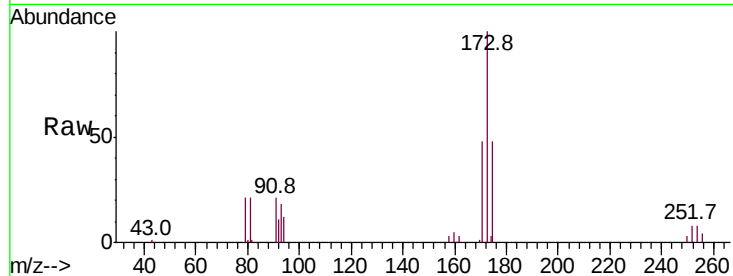
Tot Ion:173 Resp: 126975

Ion Ratio Lower Upper

173 100

175 48.4 26.6 79.7

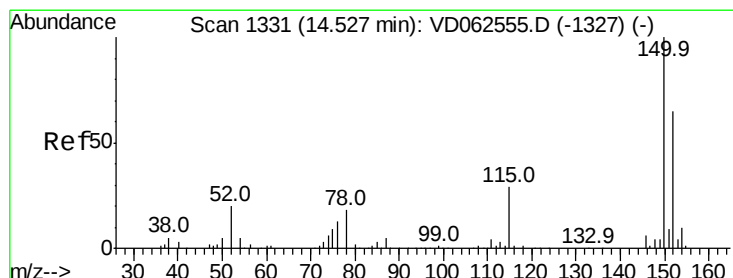
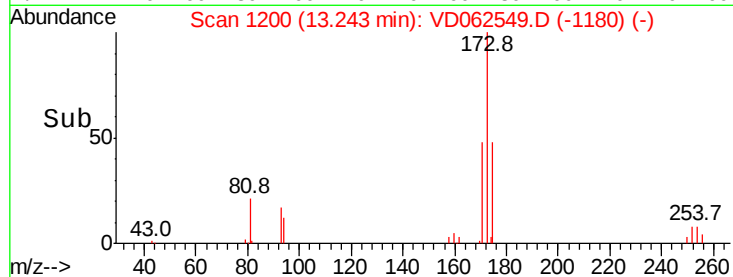
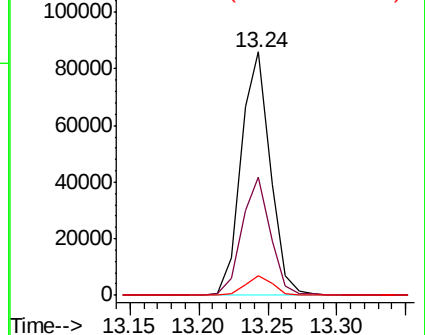
254 8.1 8.1 12.1#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

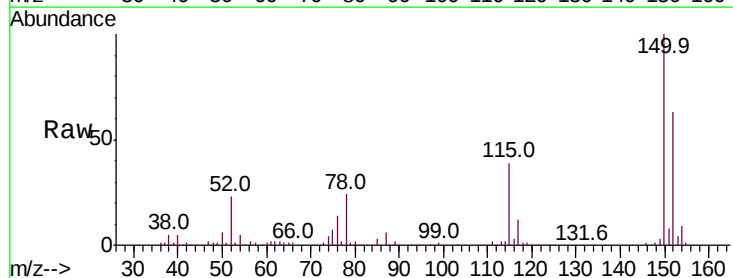
Tgt Ion:152 Resp: 557671

Ion Ratio Lower Upper

152 100

115 61.8 28.4 85.3

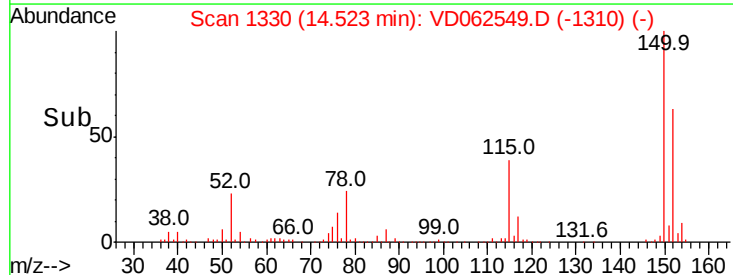
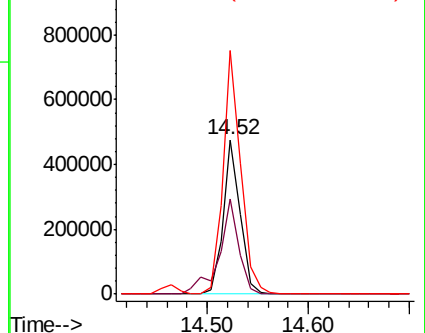
150 158.0 0.0 310.4

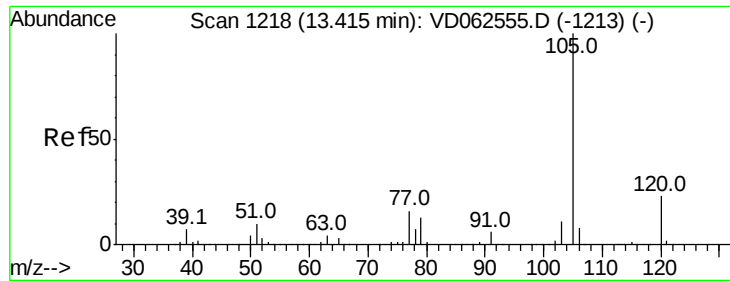


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.314 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Instrument :

MSVOA_D

ClientSampleID :

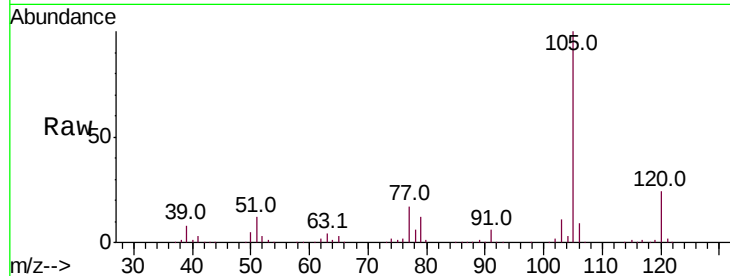
VSTDIC020

Tot Ion:105 Resp: 679066

Ion Ratio Lower Upper

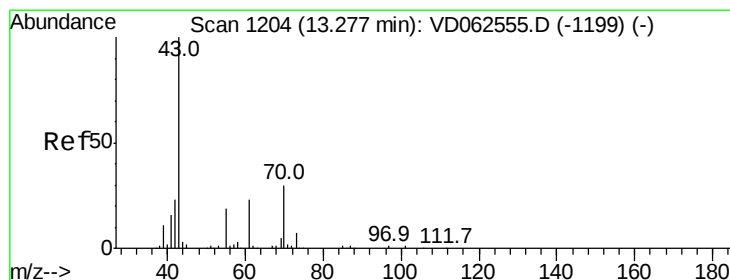
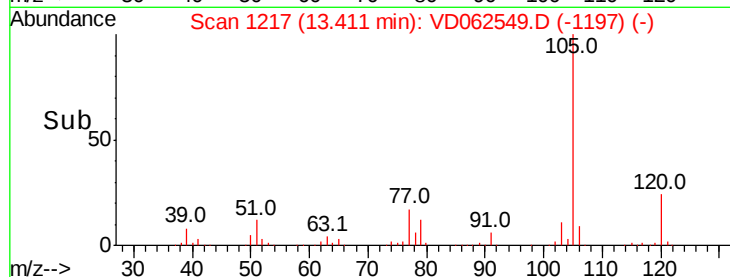
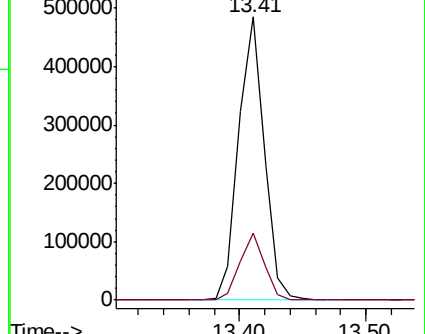
105 100

120 23.8 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.672 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Tgt Ion: 43 Resp: 177875

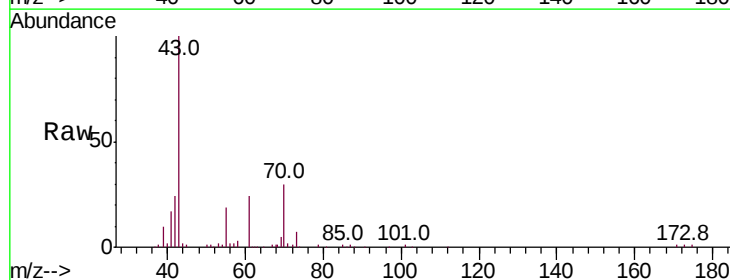
Ion Ratio Lower Upper

43 100

70 29.5 23.7 35.5

55 19.3 15.0 22.4

61 24.3 18.4 27.6

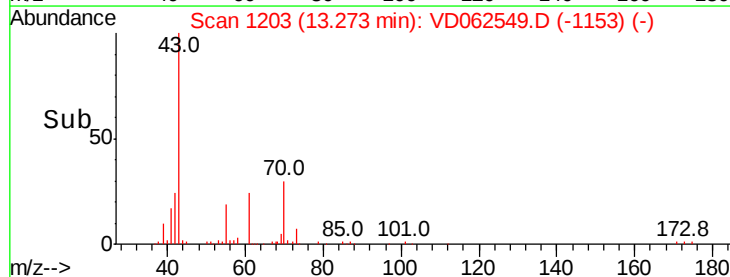
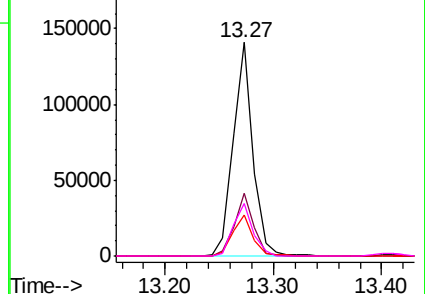


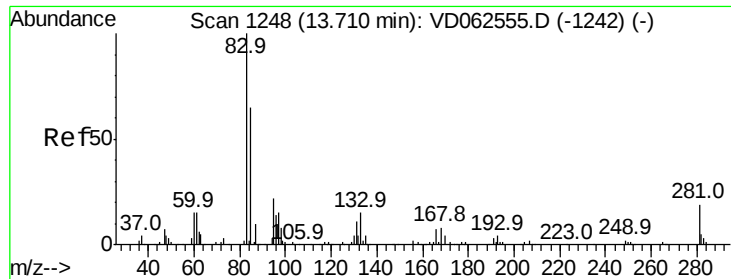
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 19.190 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Instrument :

MSVOA_D

ClientSampled :

VSTDIC020

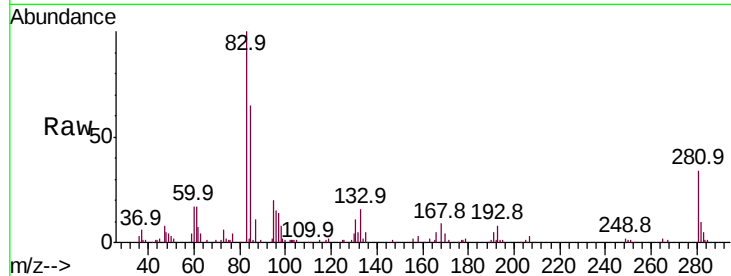
Tot Ion: 83 Resp: 116606

Ion Ratio Lower Upper

83 100

131 11.4 5.7 17.1

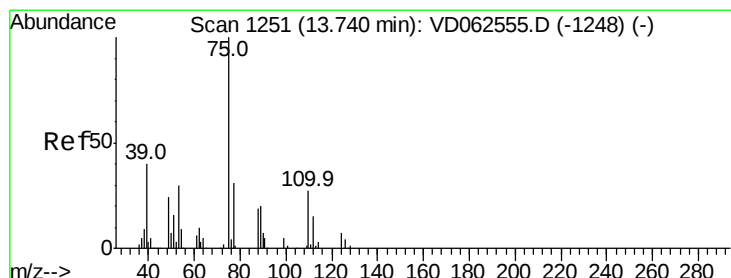
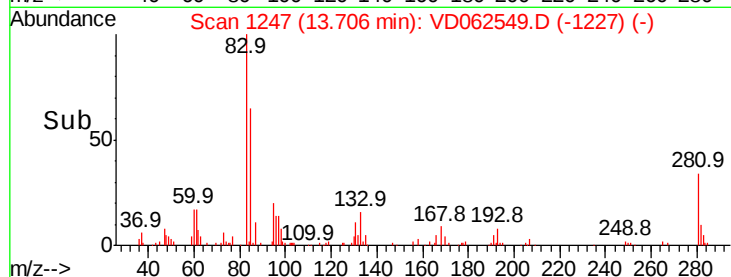
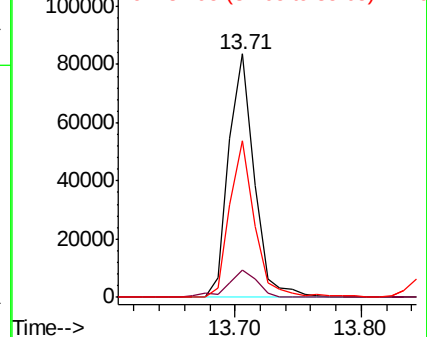
85 64.5 32.6 97.8



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.601 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD062549.D

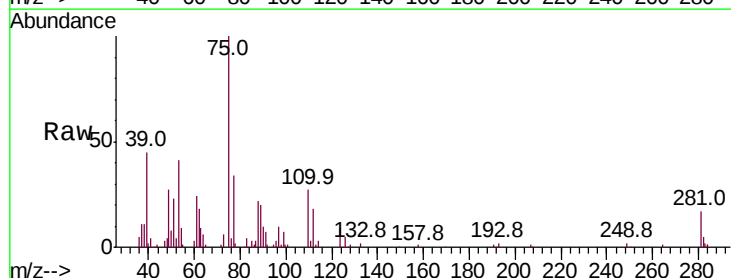
Acq: 30 May 2019 12:33

Tgt Ion: 75 Resp: 138021

Ion Ratio Lower Upper

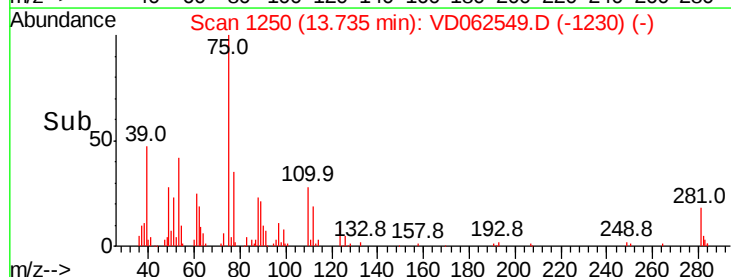
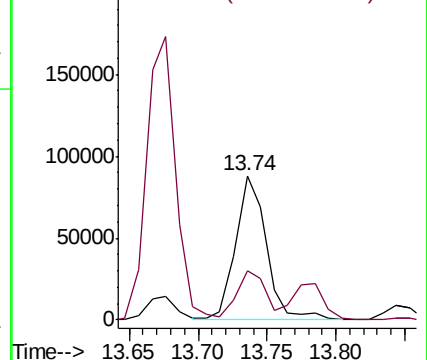
75 100

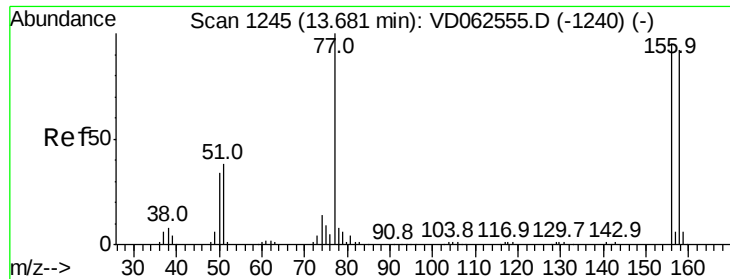
77 33.9 16.5 49.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.325 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

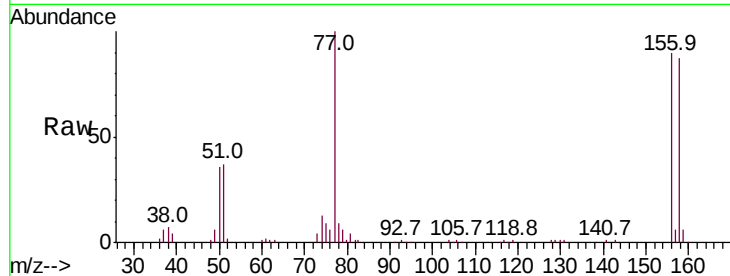
Tot Ion:156 Resp: 200578

Ion Ratio Lower Upper

156 100

77 111.4 52.9 158.7

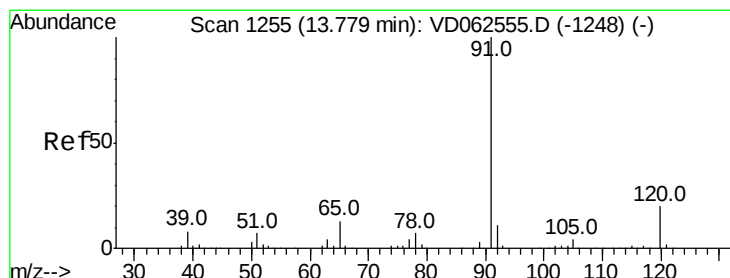
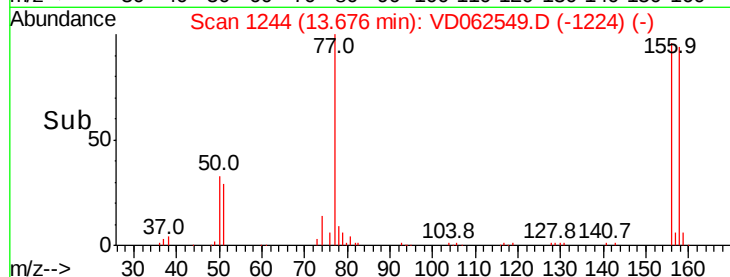
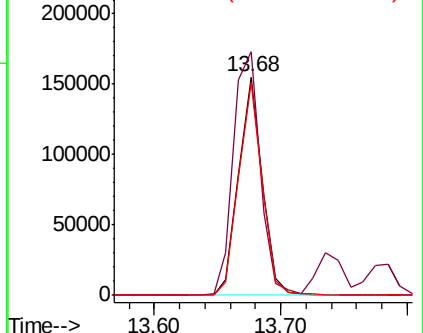
158 97.4 48.5 145.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 18.336 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD062549.D

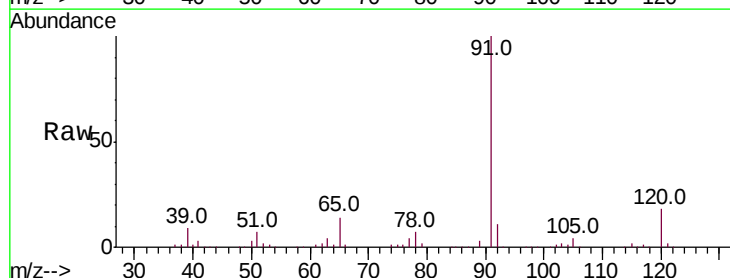
Acq: 30 May 2019 12:33

Tgt Ion: 91 Resp: 792294

Ion Ratio Lower Upper

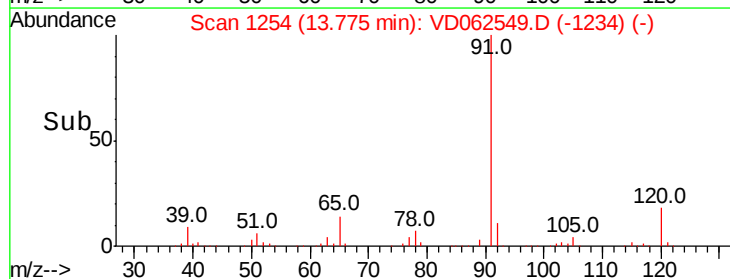
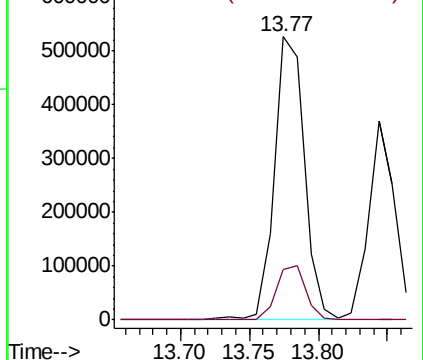
91 100

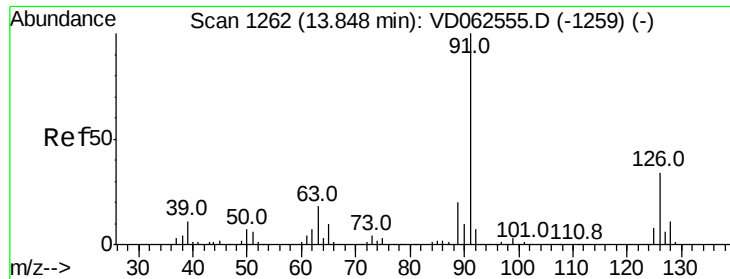
120 17.8 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 19.384 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

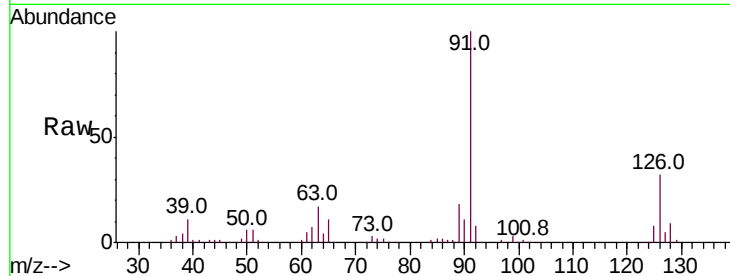
VSTDIC020

Tot Ion: 91 Resp: 490336

Ion Ratio Lower Upper

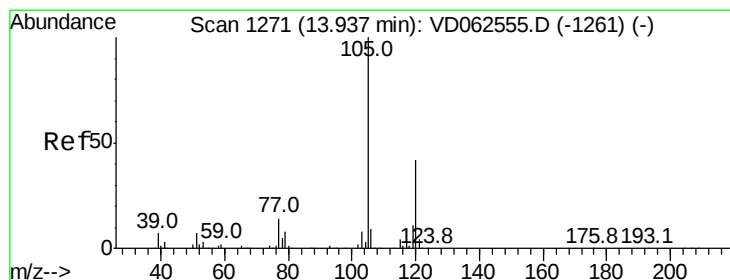
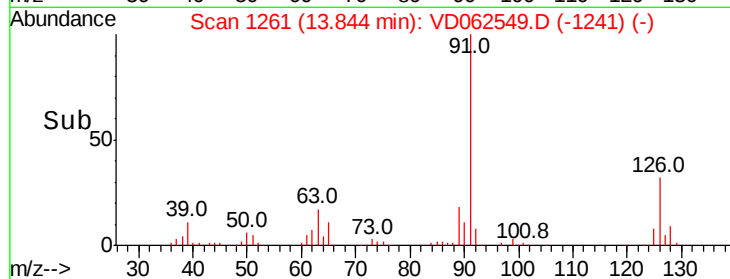
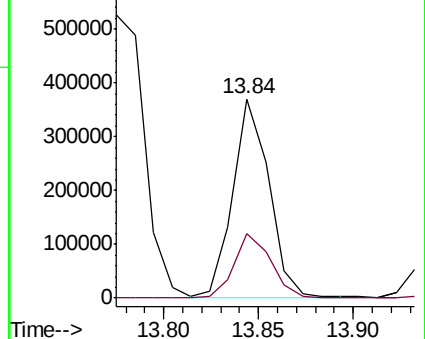
91 100

126 32.3 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 18.860 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD062549.D

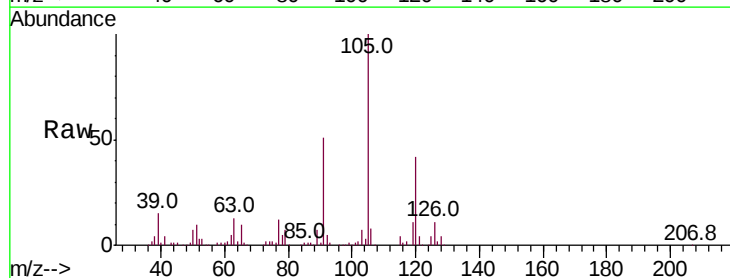
Acq: 30 May 2019 12:33

Tgt Ion:105 Resp: 606585

Ion Ratio Lower Upper

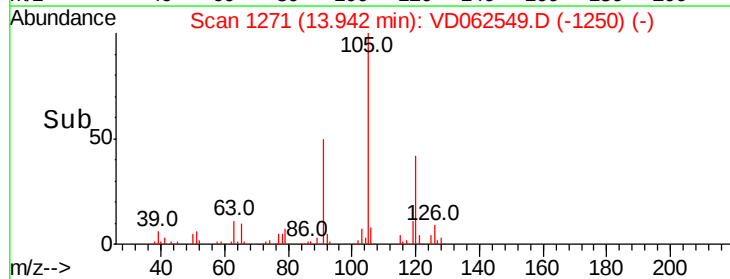
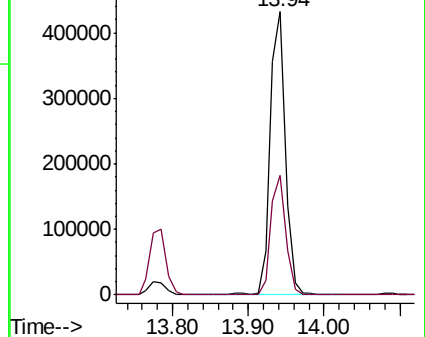
105 100

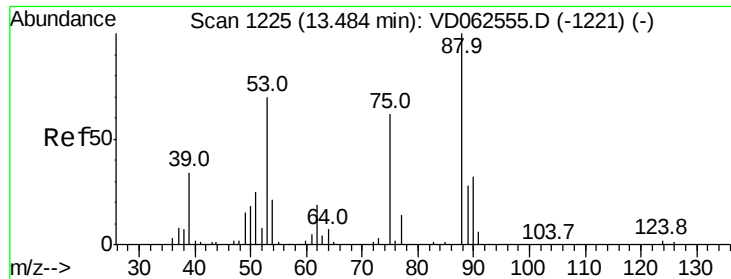
120 42.4 20.8 62.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

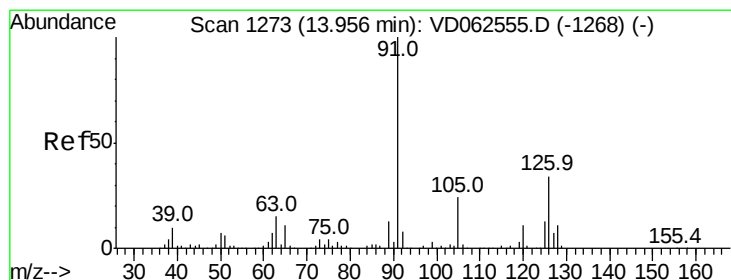
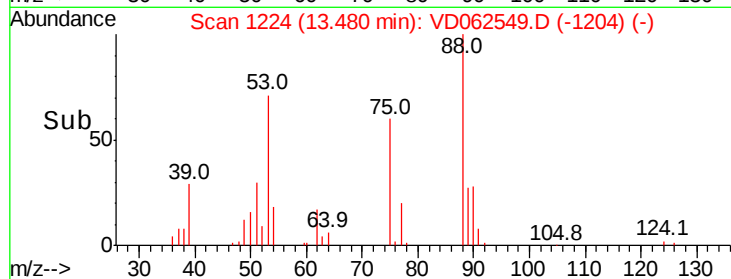
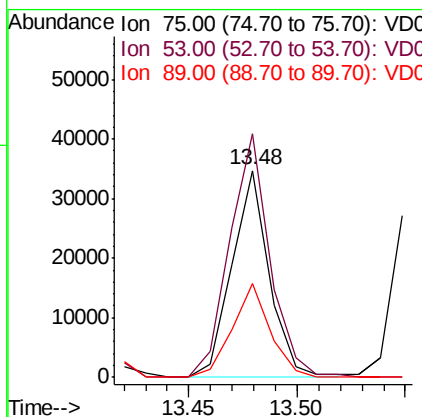
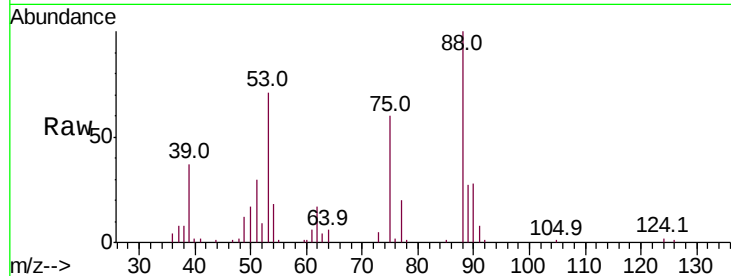




#81
trans-1,4-Dichloro-2-butene
Concen: 21.972 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD062549.D
Acq: 30 May 2019 12:33

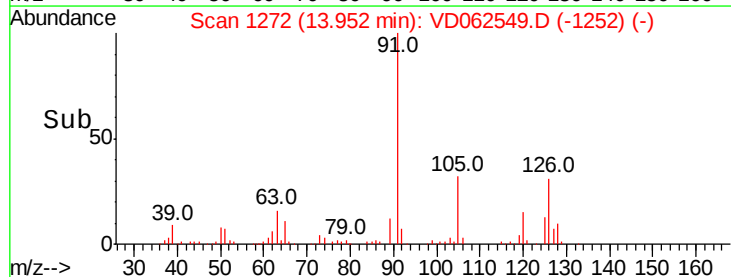
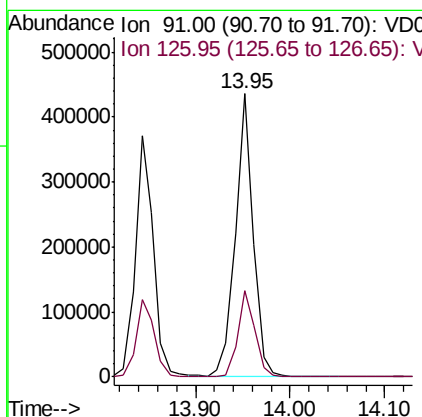
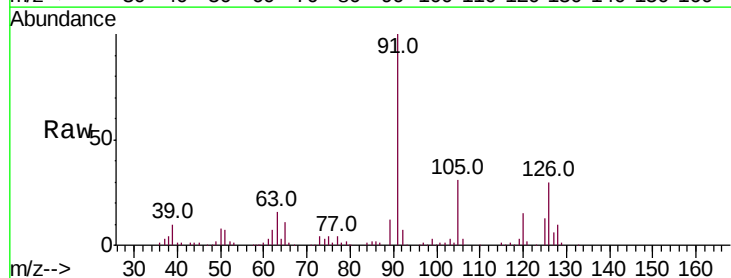
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

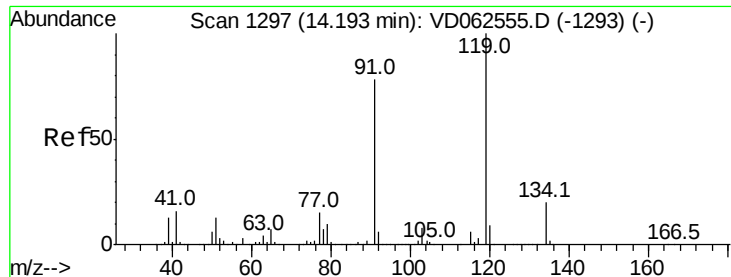
Tot Ion: 75 Resp: 41855
Ion Ratio Lower Upper
75 100
53 117.7 91.0 136.4
89 45.4 36.9 55.3



#82
4-Chlorotoluene
Concen: 18.736 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD062549.D
Acq: 30 May 2019 12:33

Tgt Ion: 91 Resp: 569963
Ion Ratio Lower Upper
91 100
126 30.3 16.9 50.7





#83

tert-Butylbenzene

Concen: 19.742 ug/l

RT: 14.20 min Scan# 1297

Delta R.T. 0.01 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

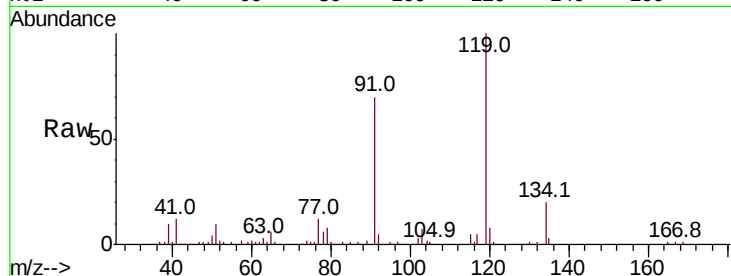
Tot Ion:119 Resp: 698499

Ion Ratio Lower Upper

119 100

91 70.3 39.1 117.5

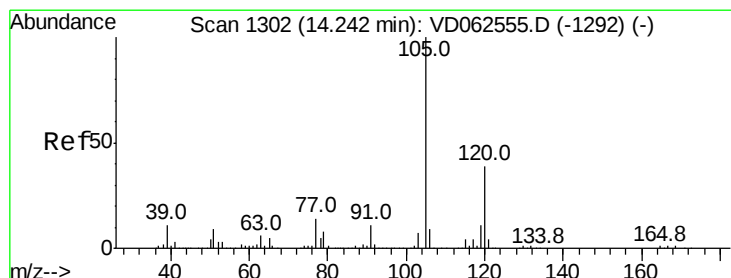
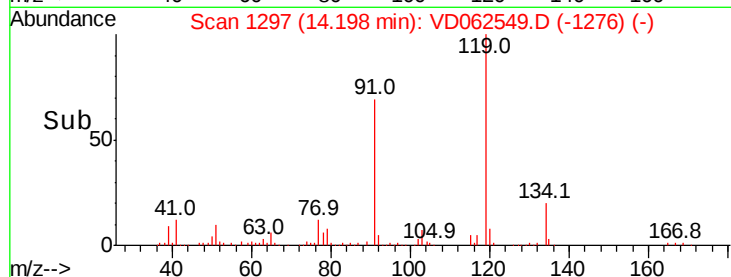
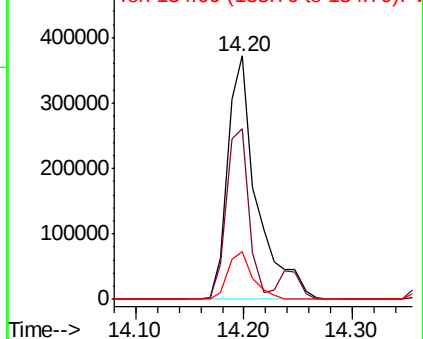
134 19.8 10.1 30.3



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.883 ug/l

RT: 14.25 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD062549.D

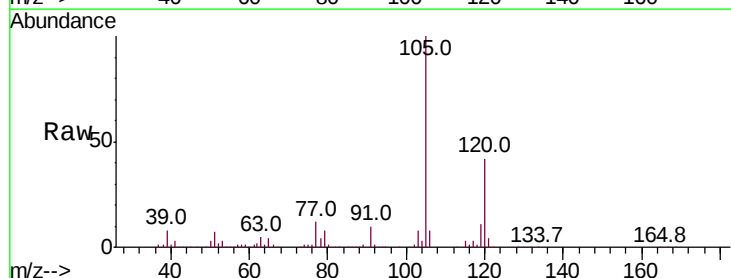
Acq: 30 May 2019 12:33

Tgt Ion:105 Resp: 607181

Ion Ratio Lower Upper

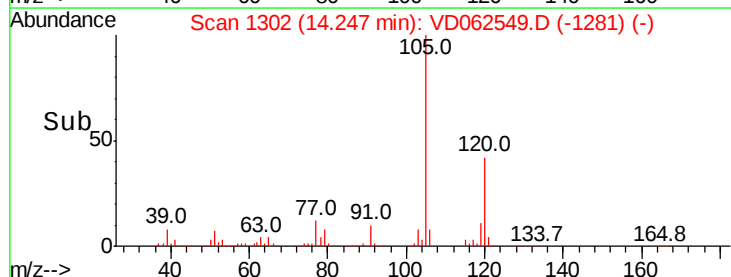
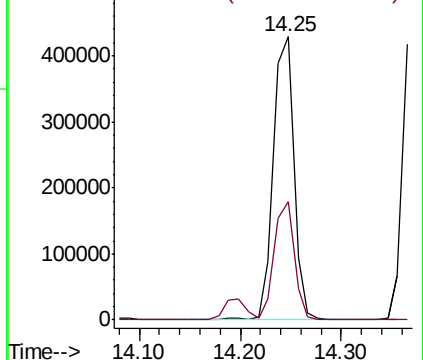
105 100

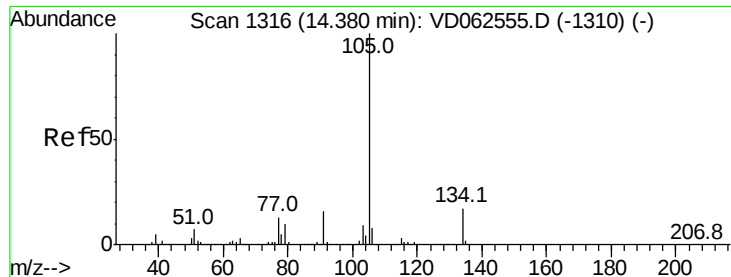
120 41.9 19.6 58.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 18.896 ug/l

RT: 14.38 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

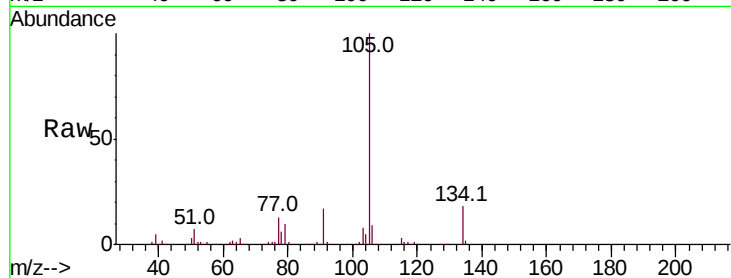
VSTDIC020

Tot Ion:105 Resp: 713026

Ion Ratio Lower Upper

105 100

134 17.9 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.38

600000

500000

400000

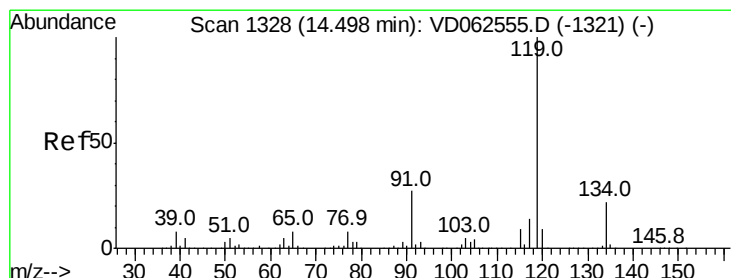
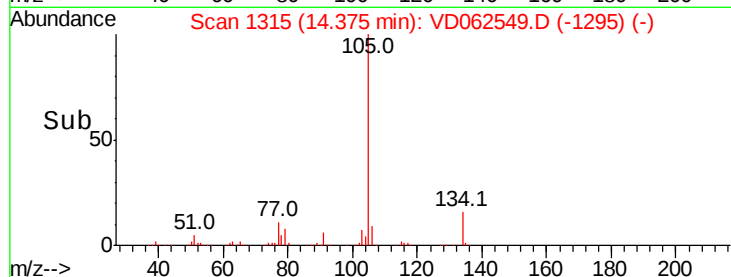
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.547 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

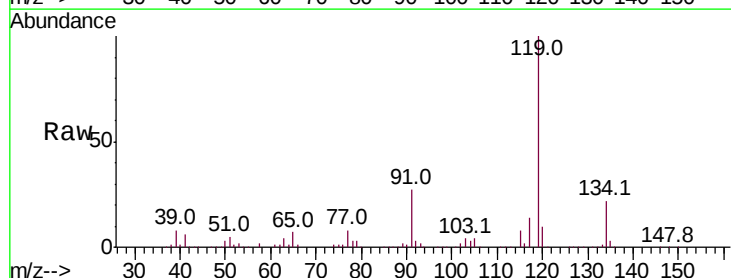
Tgt Ion:119 Resp: 729208

Ion Ratio Lower Upper

119 100

134 21.7 11.2 33.6

91 27.1 13.6 40.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

800000

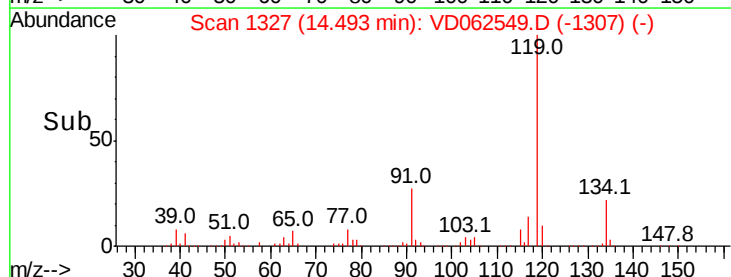
600000

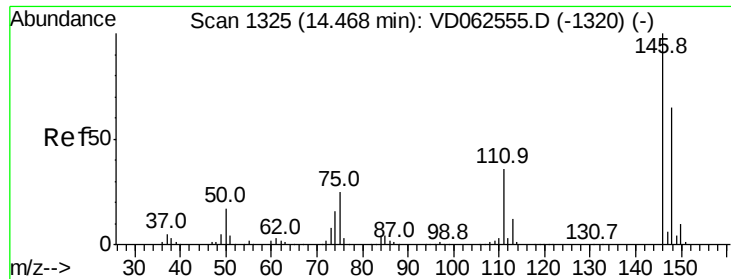
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.102 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

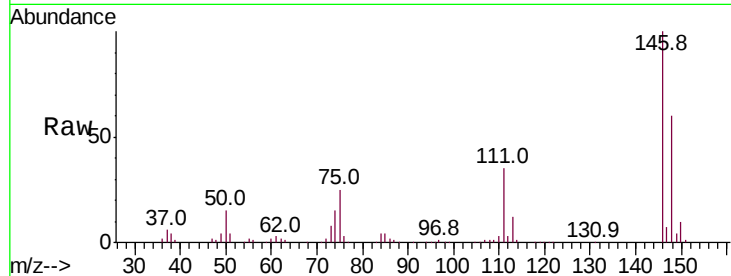
Tot Ion:146 Resp: 364217

Ion Ratio Lower Upper

146 100

111 35.1 18.1 54.4

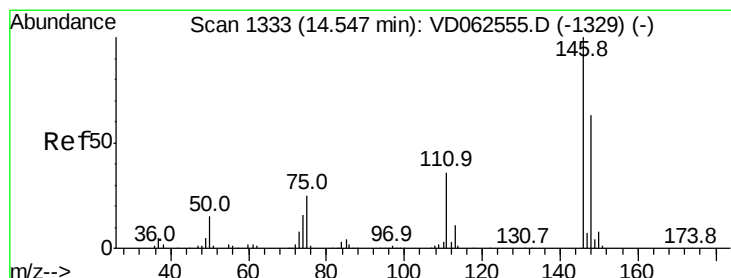
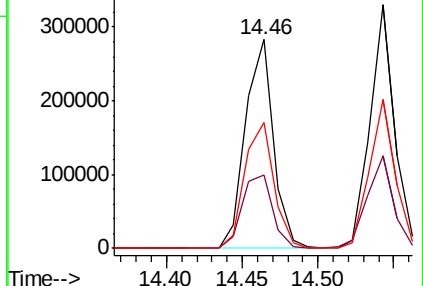
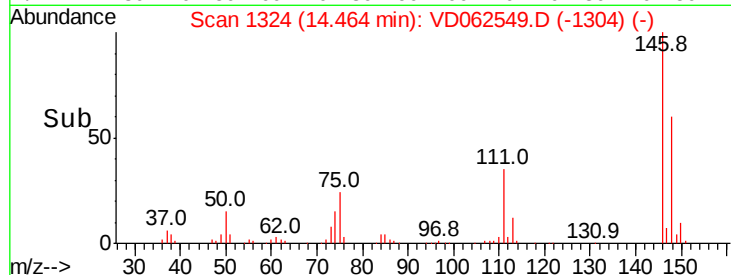
148 60.1 32.3 96.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.988 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. -0.00 min

Lab File: VD062549.D

Acq: 30 May 2019 12:33

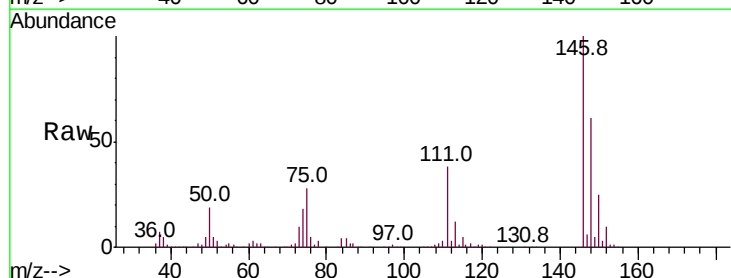
Tgt Ion:146 Resp: 372944

Ion Ratio Lower Upper

146 100

111 38.2 18.2 54.6

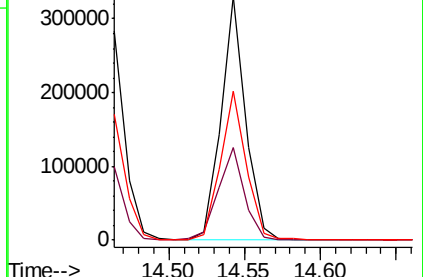
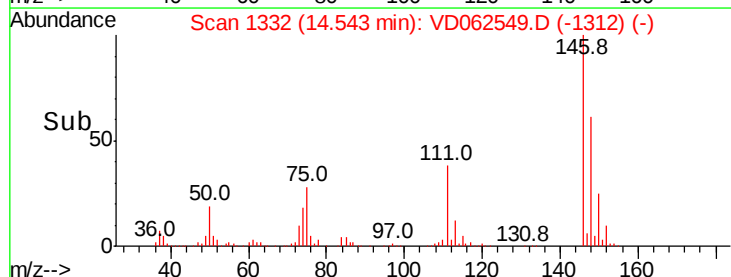
148 61.0 31.6 94.8

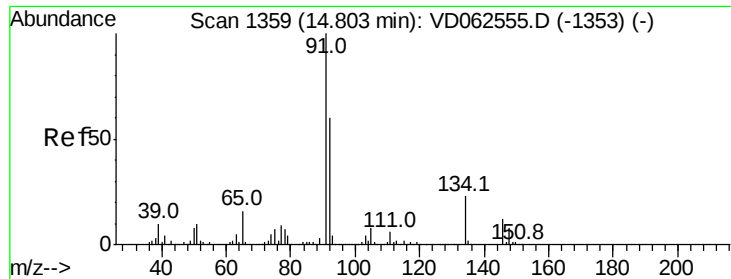


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

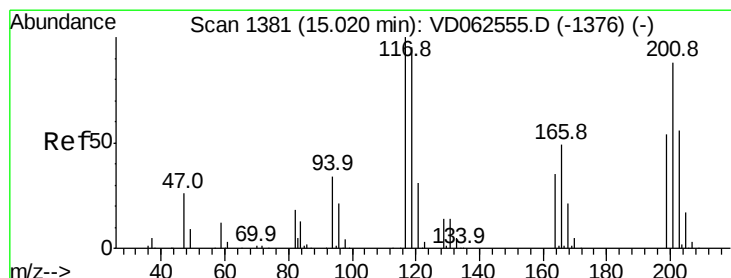
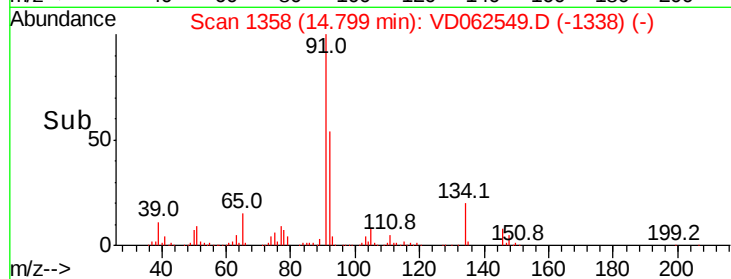
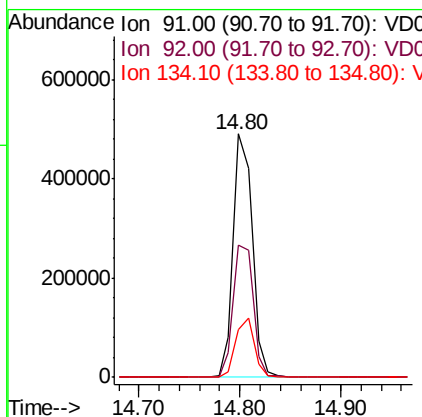
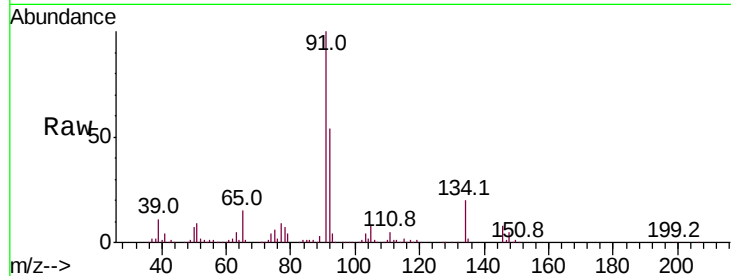




#89
n-Butylbenzene
Concen: 19.997 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD062549.D
Acq: 30 May 2019 12:33

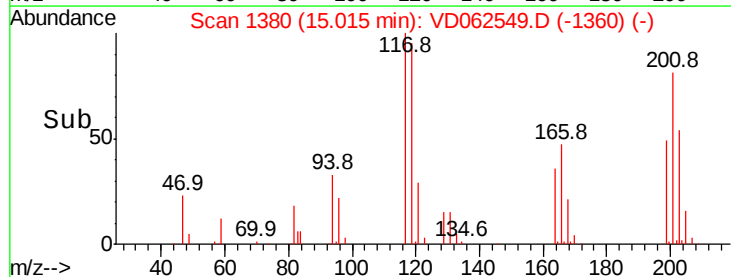
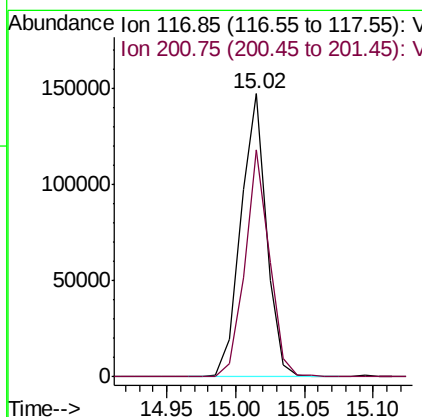
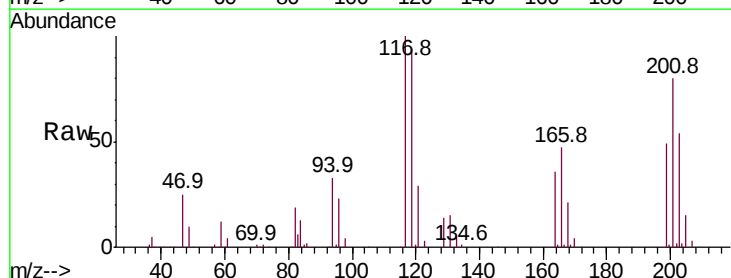
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

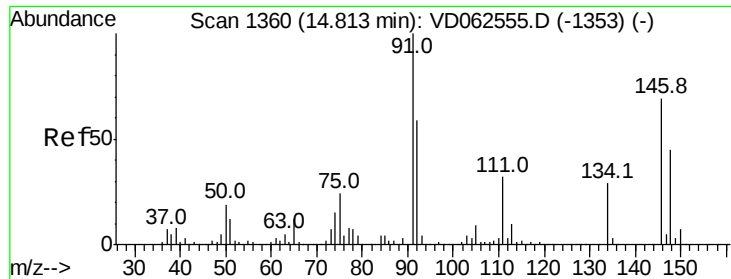
Tot Ion: 91 Resp: 645756
Ion Ratio Lower Upper
91 100
92 54.3 29.8 89.4
134 19.7 11.3 33.8



#90
Hexachloroethane
Concen: 20.090 ug/l
RT: 15.02 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD062549.D
Acq: 30 May 2019 12:33

Tgt Ion: 117 Resp: 190546
Ion Ratio Lower Upper
117 100
201 80.0 43.8 131.4

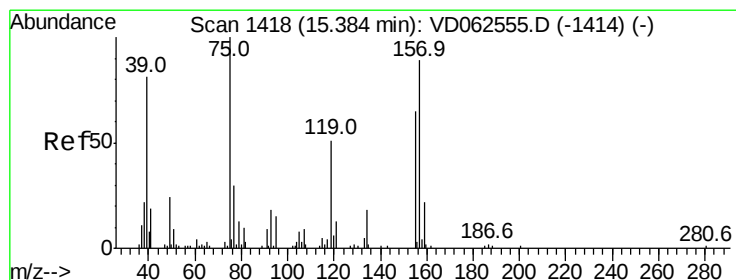
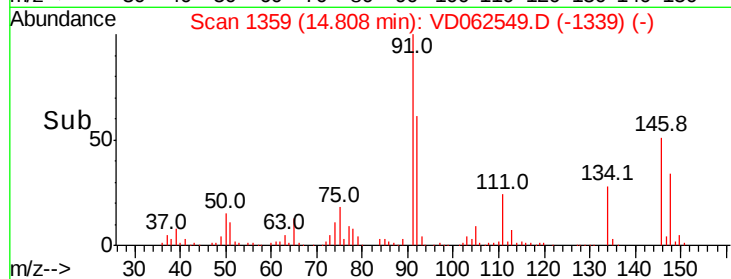
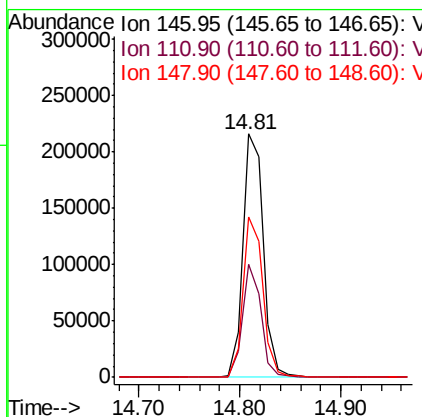
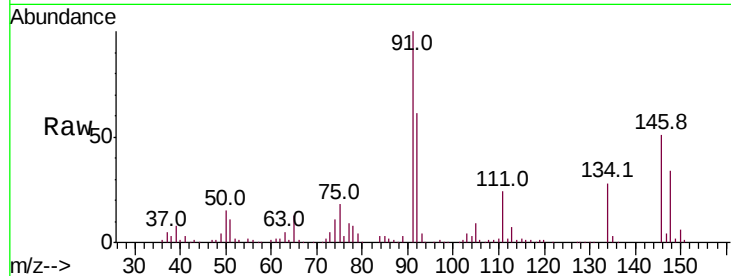




#91
 1,2-Dichlorobenzene
 Concen: 19.659 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD062549.D
 Acq: 30 May 2019 12:33

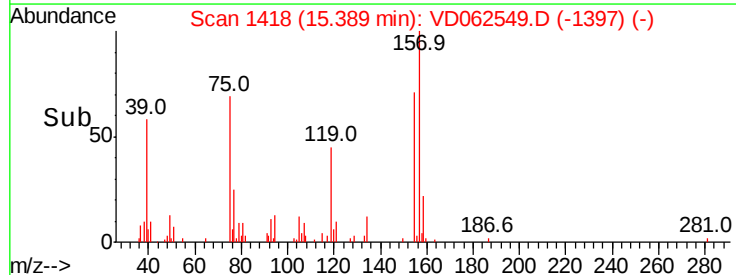
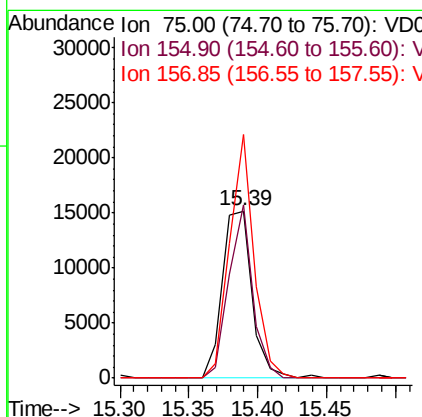
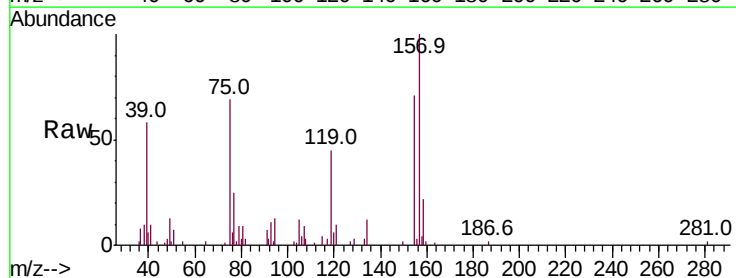
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

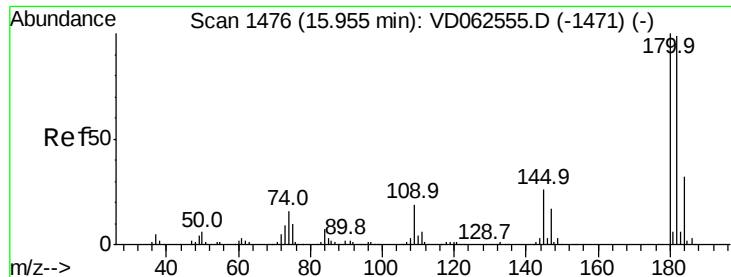
Tot Ion	Ratio	Lower	Upper
146	100		
111	46.6	22.8	68.4
148	66.0	32.3	96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.394 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062549.D
 Acq: 30 May 2019 12:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.5	32.6	97.8#
157	145.8	44.5	133.7#

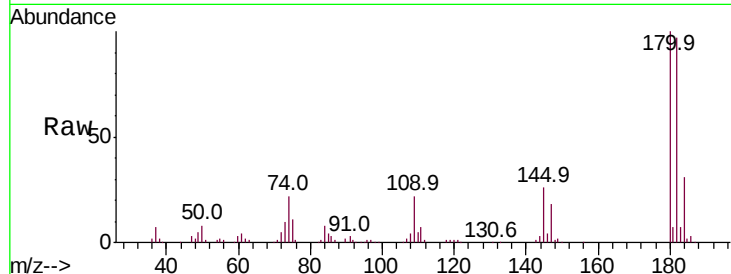




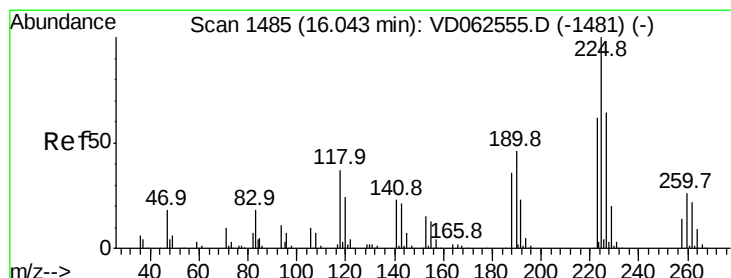
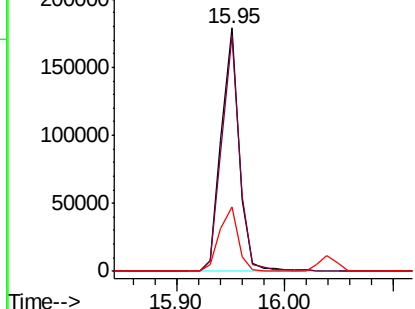
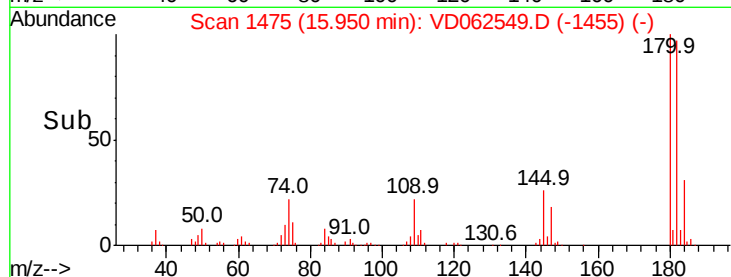
#93
 1,2,4-Trichlorobenzene
 Concen: 17.218 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062549.D
 Acq: 30 May 2019 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	49.5	148.3
145	26.3	13.1	39.3

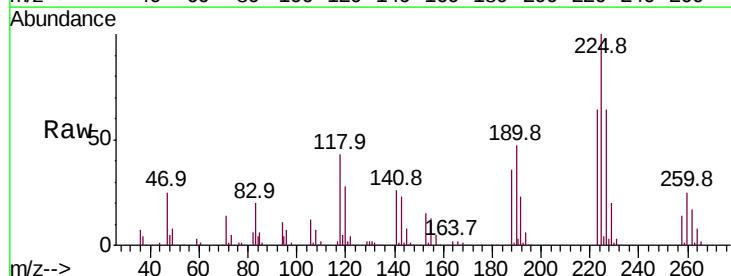


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

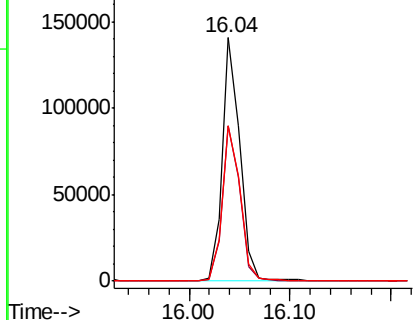
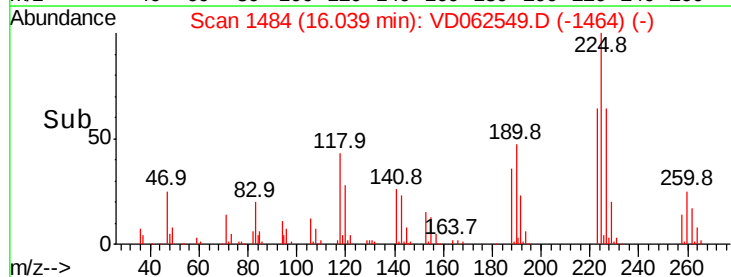


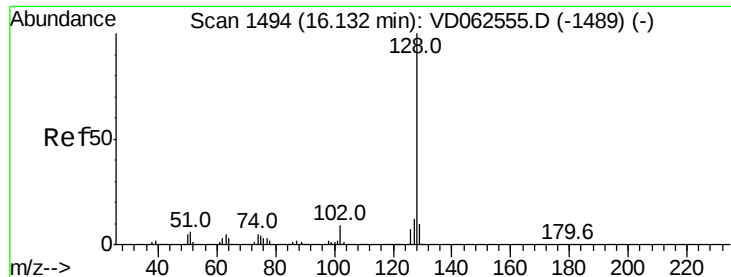
#94
 Hexachlorobutadiene
 Concen: 19.723 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD062549.D
 Acq: 30 May 2019 12:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.1	93.5
227	63.8	32.1	96.5



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

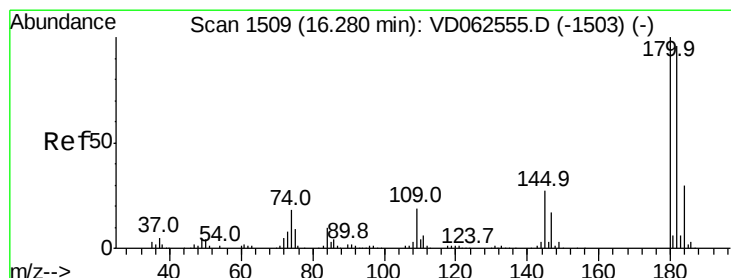
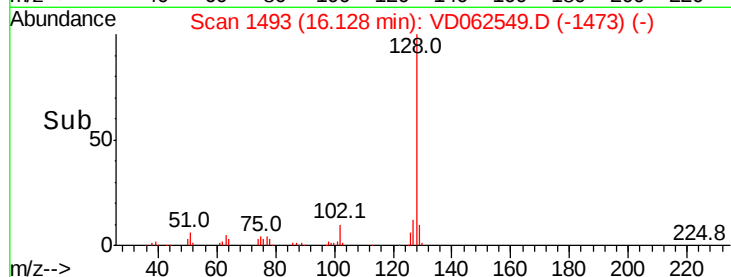
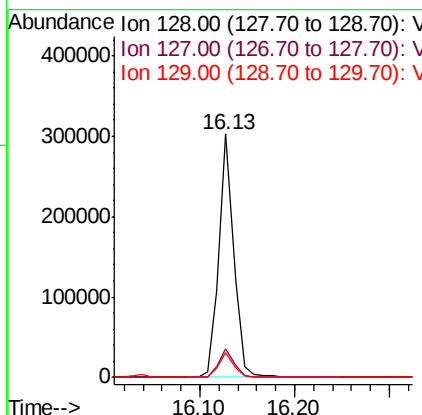
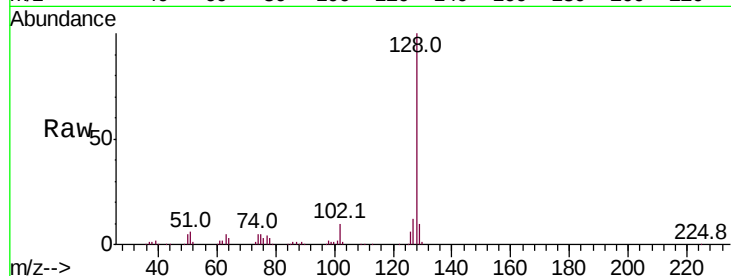




#95
Naphthalene
Concen: 19.743 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD062549.D
Acq: 30 May 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 332205
Ion Ratio Lower Upper
128 100
127 11.7 9.7 14.5
129 10.2 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 19.074 ug/l
RT: 16.28 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD062549.D
Acq: 30 May 2019 12:33

Tgt Ion:180 Resp: 171420
Ion Ratio Lower Upper
180 100
182 96.4 48.1 144.3
145 29.9 13.3 39.9

